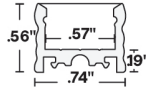
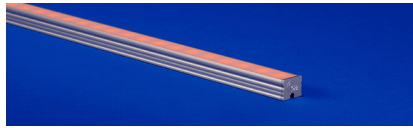




ESSENTIALS TALO- ENCAPSULATED (03) STATIC COLOR

24VDC Linear Fixtures - Surface



- Surface mount linear fixture
- Features high quality LED strips encapsulated in polyurethane in a rigid extrusion providing a robust fixture
- Encapsulation available in clear or translucent
- Suitable for indoor and outdoor locations (IK10)
- Mounting options include hidden stainless steel clip and plastic T-bar clips
- Features painted end caps to match extrusion finish or clear end caps to achieve seamless appearance of long runs
- Red, Green, Blue or Amber LEDs available
- Q-Tran Red & Amber LED products are Florida Fish and Wildlife Conservation Commission certified, making them safe for turtles and other wildlife



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
TO3SC	5.0		ENC	STD					STD	STD						

Sample Part Number: **TO3SC-5.0-G-ENC-STD-TL-P1-BW-BW-STD-BK-CL2-HSS-ST-48"-E**

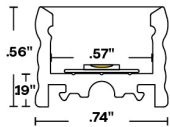
<div>1</div> <div>PRODUCT</div> <div>TO3SC</div> <div>See following pages for compatible power supplies.</div>	<div>2</div> <div>WATTS/FT</div> <div>5.05.0W/ft</div>	<div>3</div> <div>CCT</div> <div>A B G R</div> <div>Amber Blue Green Red</div>	<div>4</div> <div>RATED</div> <div>ENCIP67</div>	<div>5</div> <div>EFFICIENCY</div> <div>STDStandard</div>	<div>6</div> <div>LENS</div> <div>CL TL</div> <div>Clear Translucent</div> <div>For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages</div>
<div>7</div> <div>WIRE INPUT/OUTPUT</div> <div>S1 S2</div> <div>Single 1 (Input only) - End Feed Single 2 (Input only) - Bottom Feed</div> <div>P1 P2</div> <div>Pass Through 1 (Input/output) - End Feed Pass Through 2 (Input/output) - Bottom Feed</div>	<div>8</div> <div>CONNECTOR/WIRE IN</div> <div>BW BRL CON6 CON24</div> <div>Bare Wire (Standard 24") Barrel Connector 6" Connector 24"</div> <div>BW BRL CON6 CON24</div> <div>Bare Wire (Standard 24") Barrel Connector 6" Connector 24"</div>	<div>9</div> <div>CONNECTOR/WIRE OUT</div> <div>CLS</div> <div>Closed End (No feed)</div> <div>BW BRL CON6 CON24</div> <div>Bare Wire (Standard 24") Barrel Connector 6" Connector 24"</div>			
For continuous mounting, consider bottom feed When using TBC Mounting, a bare wire S2 wire feed is recommended. See install instructions for details.		BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)		BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)	
<div>10</div> <div>INPUT END CAP</div> <div>STDStandard</div> <div>STD - End cap matches fixture finish chosen</div>	<div>11</div> <div>OUTPUT END CAP</div> <div>STDStandard</div> <div>STD - End cap matches fixture finish chosen</div>	<div>12</div> <div>WIRE COLOR</div> <div>WH BK N/A</div> <div>White Black For Barrel</div>	<div>13</div> <div>WIRE TYPE</div> <div>CL2 CL2P N/A</div> <div>Class 2 Plenum Rated For Barrel</div> <div>CL2P only available with bare wire leads (BW)</div>		
<div>14</div> <div>MOUNTING</div> <div>HSS TBC-01 TBC-02</div> <div>Hidden Stainless Steel Clip 9/16" Flat or Tegular TB-Grid 15/16" Flat or Tegular TB-Grid</div>	<div>15</div> <div>FINISH</div> <div>ST BK CU</div> <div>Satin Black Custom</div> <div>Custom finishes require a longer lead time, consult factory</div>	<div>16</div> <div>LENGTH (IN)</div> <div>Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".</div>	<div>17</div> <div>EXACT/OPTIMAL</div> <div>O E</div> <div>Optimal Illumination Exact Specified Length</div> <div>Exact fixtures match the exact length you specify, but they may have dim spots at the ends. Optimal fixtures are slightly shorter than the length specified, but provide full illumination from end to end. See Exact/Optimal Fixture Length charts.</div>		



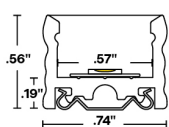
ESSENTIALS TALO-ENCAPSULATED (03) STATIC COLOR

24VDC Linear Fixtures - Surface

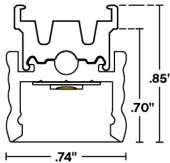
1 PRODUCT - DIMENSIONS



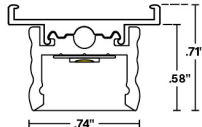
Profile



Profile with hidden stainless steel mounting clip



Profile with TBC-01



Profile with TBC-02

2 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]
Tested with TO3SC-5.0-**-ENC-STD

	Red		Green		Blue		Amber	
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH
CL	64	633	348	517	90	466	58	597
TL	33	633	180	517	47	466	30	597

6 DIODE VISIBILITY



ENC/CL - Clear encapsulation

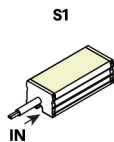
ENC/TL - Translucent encapsulation

TEMPERATURE RATINGS

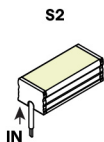
	5.0 W/FT	
	Min	Max
Ambient Operating Temp - Surface	-4°F	110°F

7 WIRE INPUT/OUTPUT

SINGLE (Input only)

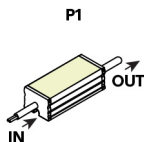


End Feed

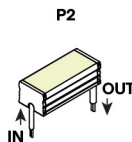


Bottom Feed

PASS THROUGH (Input/Output)



End Feed



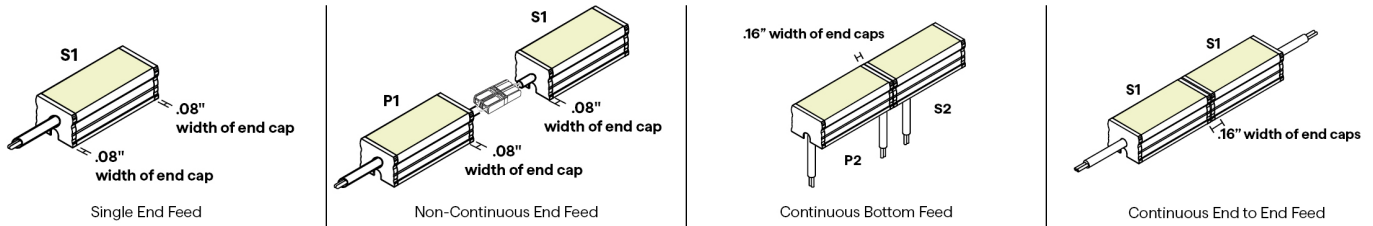
Bottom Feed



ESSENTIALS TALO-ENCAPSULATED (03) STATIC COLOR

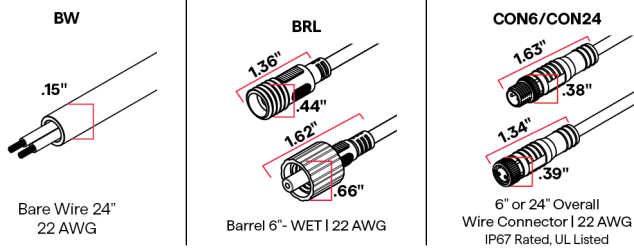
24VDC Linear Fixtures - Surface

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

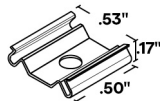


12 WIRE COLOR



14 MOUNTING

HSS



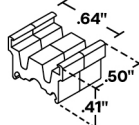
Hidden Stainless Steel Clip

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-01



Plastic T-Bar Clip

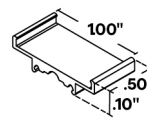
Use on 9/16" Flat or Tegular Drop Ceiling

2 clips provided for first 12"; 1 clip provided for each additional 12" or less length

To order separately use TBC-01

Each pair of clips comes with M2.5 x 4mm set screw and Allen key

TBC-02



Plastic T-Bar Clip

Use on 15/16" Flat or Tegular Drop Ceiling

2 clips provided for first 12"; 1 clip provided for each additional 12" or less length

To order separately use TBC-02

Each pair of clips comes with M2.5 x 4mm set screw and Allen key

15 FINISH



Custom finishes require a longer lead time, consult factory



ESSENTIALS TALO-ENCAPSULATED (03) STATIC COLOR

24VDC Linear Fixtures - Surface

17

EXACT/OPTIMAL FIXTURE LENGTH

E/O Length Calculator →

E/O Explained →

Exact fixtures are the exact length specified. Optimal fixtures' length is rounded down based on LED cut points to allow the fixture to be illuminated end to end. For runs with multiple fixtures that need to fill a specific length, it's recommended to order all optimal fixtures with an exact fixture at the end of the run.



SC ENC LENGTHS BY INCH

EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture
	S1
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

Requested Nominal Length	S1 & S2		P1 & P2	
	S1	S2	P1	P2
12"	10.41"		10.66"	
13"	12.41"		12.66"	
14"	12.41"		12.66"	
15"	14.41"		14.66"	
16"	14.41"		14.66"	
17"	16.41"		16.66"	
18"	16.41"		16.66"	
19"	18.41"		18.66"	
20"	18.41"		18.66"	
21"	20.41"		20.66"	
22"	20.41"		20.66"	
23"	22.41"		22.66"	
24"	22.41"		22.66"	
36"	34.41"		34.66"	
48"	46.41"		46.66"	
60"	58.41"		58.66"	
72"	70.41"		70.66"	
84"	82.41"		82.66"	
96"	94.41"		94.66"	



ESSENTIALS TALO-ENCAPSULATED (03) STATIC COLOR

24VDC Linear Fixtures - Surface

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+QD1	QOM-DC+CAP QOM-PH
0.1%	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-BOWTIE+DIMMER 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 QOM-eLED+DALI-DT6 QOM-eLED+PS-DALI-DT6 QZ-DMX QZ-PH/0-10V
1%	QTM-eLED(E) QZ-DALI-DT6	Q-SET+QZ-DALI-DT6 QZ-DALI-DT6
10%	Non-Dim Power Supply with SW App Dongle	


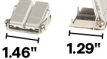





ESSENTIALS TALO-ENCAPSULATED (03) STATIC COLOR


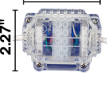




24VDC Linear Fixtures - Surface

DIMMING PROTOCOL	INDOOR	OUTDOOR
	SC	SC
Non-Dim	QT-CAB-eLED-ND QTM-eLED-ND QZ-ND	Q-SET-QZ-ND Q-SET-eLED-ND QOM-eLED-ND QZ-ND
Phase	Q6M-DC+CAP QT-CAB-QZ-PH/0-10V QTM-DC+CAP QTM-eLED(E) QZ-BOWTIE+DIMMER QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP iQ-PH+QD1	Q-SET-QZ-PH/0-10V QOM-DC+CAP QOM-PH QZ-PH/0-10V
0-10V	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN 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	QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6-AWN	
ECO System	QTM-eLED(E)	
DMX	QZ-DMX	Q-SET-QZ-DMX QZ-DMX
DALI-2: DT6	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-DALI-DT6	Q-SET+QZ-DALI-DT6 QOM-eLED+DALI-DT6 QZ-DALI-DT6
SCENE App Dimmed	Non-Dim Power Supply with SW App Dongle	

COMPATIBLE MOUNTING ACCESSORIES

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

Q-mini-J  2" 1.25" UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)	Q-mini-J5  2.80" 2.27" UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)	BARREL-EXT  8ft barrel cable extender DRY ONLY	BARREL FOUR-FER  Splits lead from one to four LED Barrel connector fixtures, DRY/DMP	CON120-EXT  10ft Con cable extender DRY/DMP/WET	CON FOUR-FER  Splits lead from one to four LED Con connectors DRY/DMP/WET
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ESSENTIALS TALO-ENCAPSULATED (03) STATIC COLOR

24VDC Linear Fixtures - Surface

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE



Wi-Fi or Bluetooth
Connectivity

COMPATIBLE APPS

NFC APP



Read and write
DMX addresses and
adjust voltage