



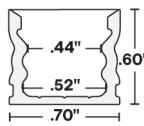
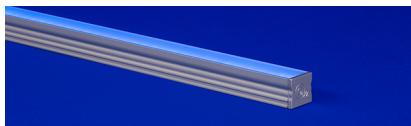
# ESSENTIALS TORQ- ENCAPSULATED (03) STATIC COLOR

white  
opticsRoHS  
Compliant5 YEAR  
WARRANTY

Declare.



24VDC Linear Fixtures - Surface &amp; Recessed



- 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 stainless steel clips, magnets, and low-profile magnet mounts
- 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 PRODUCT	2 WATTS/ FT	3 CCT	4 RATED	5 EFFICIENCY	6 LENS	7 EXTERNAL LOUVER	8 WIRE INPUT/ OUTPUT	9 CONNECTOR / WIRE IN	10 CONNECTOR / WIRE OUT	11 INPUT END CAP	12 OUTPUT END CAP	13 WIRE COLOR	14 WIRE TYPE	15 MOUNTING	16 FINISH	17 LENGTH (IN)	18 EXACT/ OPTIMAL
TQ3SC	5.0		ENC														

Sample Part Number: TQ3SC-5.0-G-ENC-WO-TL-P1-BW-BW-STD-STD-BK-CL2-SST-ST-48"-E

<b>1</b> <b>PRODUCT</b>  TQ3SC  See following pages for compatible power supplies.	<b>2</b> <b>WATTS/FT</b>  5.0 5.0W/ft	<b>3</b> <b>CCT</b>  A Amber B Blue G Green R Red	<b>4</b> <b>RATED</b>  ENC IP67	<b>5</b> <b>EFFICIENCY</b>  STD Standard WO White Optics  WhiteOptics - Internal coating, greater lumen output	<b>6</b> <b>LENS</b>  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	<b>7</b> <b>EXTERNAL LOUVER</b>  L1-WH White Plastic L1-BK Black Plastic N/A No Louver  Louvers are shipped separately and require field assembly
<b>8</b> <b>WIRE INPUT/OUTPUT</b>  S1 Single 1 (Input only) - End Feed S2 Single 2 (Input only) - Bottom Feed S3 Single 3 (Input only) - Left Side Feed S4 Single 4 (Input only) - Right Side Feed  For continuous mounting, consider bottom or side feed	<b>9</b> <b>CONNECTOR/WIRE IN</b>  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)	<b>10</b> <b>CONNECTOR/WIRE OUT</b>  CLS Closed End (No feed)  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>11</b> <b>INPUT END CAP</b>  STD Standard CL Clear  STD - End cap matches fixture finish chosen  Select CL for continuous runs	<b>12</b> <b>OUTPUT END CAP</b>  STD Standard CL Clear  STD - End cap matches fixture finish chosen  Select CL for continuous runs	<b>13</b> <b>WIRE COLOR</b>  WH White BK Black N/A For Barrel	<b>14</b> <b>WIRE TYPE</b>  CL2 Class 2 CL2P Plenum Rated N/A For Barrel  CL2P only available with bare wire leads (BW)			
<b>15</b> <b>MOUNTING</b>  SST Stainless Steel M4 Low Profile Magnet MG Magnet	<b>16</b> <b>FINISH</b>  ST Satin BK Black BZ Bronze CU Custom	<b>17</b> <b>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>18</b> <b>EXACT/OPTIMAL</b>  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.			

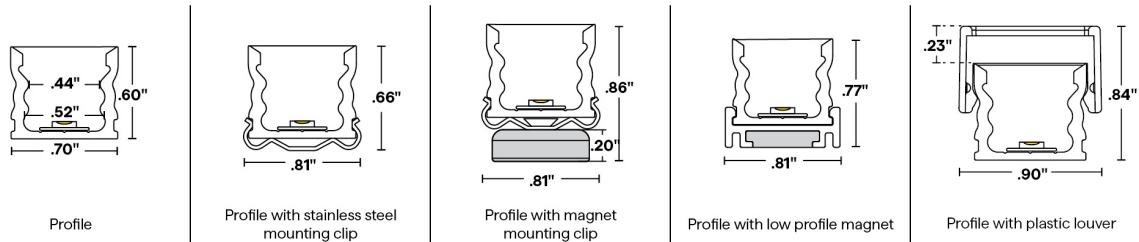
5 year warranty | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance | Compatible for use with QTL power supplies | Florida Fish and Wildlife Conservation Commission (FWC) rated Strips: Red and Amber | IK10 rated



# ESSENTIALS TORQ-ENCAPSULATED (03) STATIC COLOR

## 24VDC Linear Fixtures - Surface & Recessed

### 1 PRODUCT - DIMENSIONS



### 2 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]  
Tested with TQ3SC-5.0-\*\*-ENC-STD

	Red		Green		Blue		Amber	
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH
CL	56	633	302	517	78	466	51	597
TL	47	633	254	517	66	466	42	597

[Calculated L70 = 40000 hrs]  
Tested with TQ3SC-5.0-\*\*-ENC-WO

	Red		Green		Blue		Amber	
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH
CL	60	633	327	517	85	466	55	597
TL	53	633	287	517	74	466	48	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

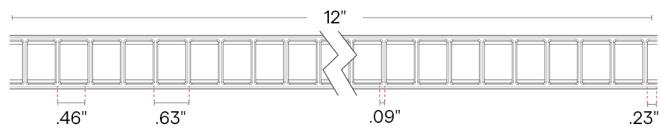


## ESSENTIALS TORQ-ENCAPSULATED (03) STATIC COLOR

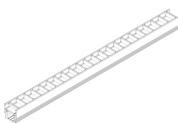
24VDC Linear Fixtures - Surface & Recessed

### 7 EXTERNAL LOUVER

PLASTIC

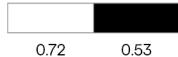


L1-XX



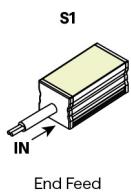
Lumen Multiplier

WH BK

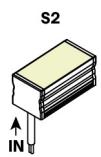


### 8 WIRE INPUT/OUTPUT

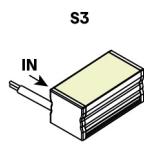
SINGLE (Input only)



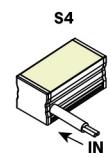
End Feed



Bottom Feed

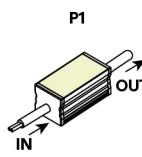


Side Feed - Left

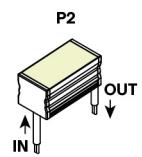


Side Feed - Right

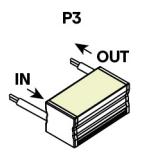
PASS THROUGH (Input/Output)



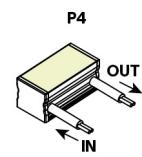
End Feed



Bottom Feed



Side Feed - Left



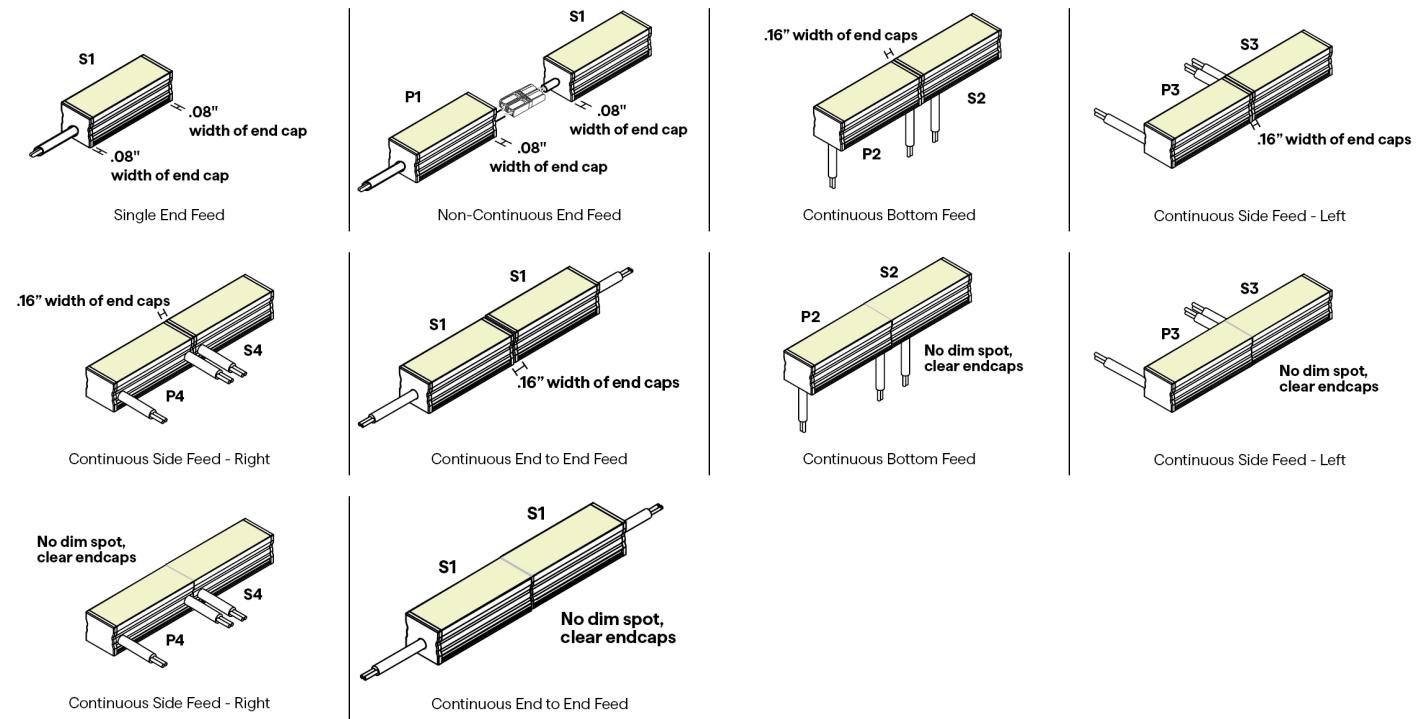
Side Feed - Right



# ESSENTIALS TORQ-ENCAPSULATED (03) STATIC COLOR

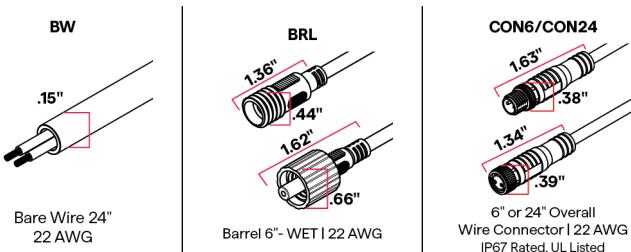
24VDC Linear Fixtures - Surface & Recessed

## CONFIGURATION OPTIONS

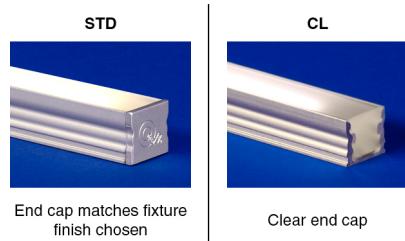


## 9 / 10 CONNECTOR/WIRE – IN/OUT

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



## 11 / 12 END CAP – IN/OUT





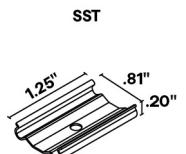
## ESSENTIALS TORQ-ENCAPSULATED (03) STATIC COLOR

24VDC Linear Fixtures - Surface & Recessed

### 13 WIRE COLOR



White  
Black

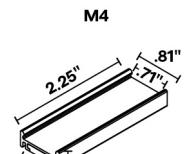


Stainless Steel Clip

2 clips provided for 4' or less; 4  
clips provided for greater than  
4'

To order separately use SST-01

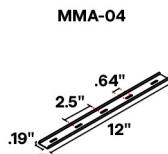
Each clip comes with a #4 x  
5/8" Flat Head screw



Low Profile Magnet

One M4 provided per foot.

To order separately use  
MG-04

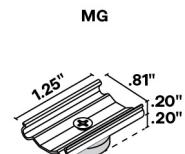


Magnet Mount  
Accessory for M4

Sold separately, to order use  
MMA-04

Each bracket comes with 2 #6  
x 5/8" Flat Head SS

Required when mounting to a  
non-magnetic surface



Magnet Clip

One MG provided per foot

To order separately use MG-01

### 16 FINISH



Satin  
Black  
Bronze

Custom color available

MMA-01



Magnet Mount  
Accessory of MG-01

Sold separately, to order use  
MMA-01

Each bracket comes with 2 #6  
x 5/8" Flat Head SS

Required when mounting to a  
non-magnetic surface

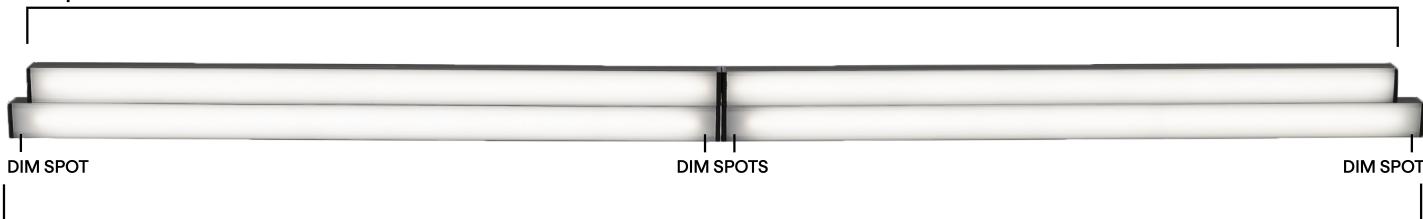
### 18 EXACT/OPTIMAL FIXTURE LENGTH

[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.

#### Optimal Fixtures



#### Exact Fixtures



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## SC ENC LENGTHS BY INCH

Available in any length in between 12" and 98.43", chart below shows example lengths. Exact fixtures are the length specified. Optimal fixtures' length is rounded down with illumination end to end. All fixtures' tolerance is  $\pm 0 - 1/8"$ . 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	S3 & S4	P3 & P4
12"				
13"				
14"				
15"				
16"				
17"				
18"				
19"				
20"				
21"				
22"				
23"				
24"				
36"				
48"				
60"				
72"				
84"				
96"				

## COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has  $\pm 0 - 5\%$  tolerance.

DIM TO LEVEL	INDOOR		OUTDOOR	
	SC	SC	SC	SC
Dim to Black	Q6M-DC+CAP QTM-DC+CAP iQ-PH 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 QTM-eLED+0-10V QTM-eLED+0-10V-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 QZ-DMX QZ-PH/0-10V
1%	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED(E) QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-DALI-DT6			Q-SET+QZ-DALI-DT6 QOM-eLED+DALI-DT6 QOM-eLED+PS-DALI-DT6
10%	Non-Dim Power Supply with SW App Dongle			



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24VDC Linear Fixtures - Surface & Recessed

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 iQ-ND-50-65
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 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
SCENE App Dimmed	Non-Dim Power Supply with SW App Dongle	

## COMPATIBLE MOUNTING ACCESSORIES

<b>HINGE - HMB-M</b> 1.41" .71" Adjustable mounting bracket - Medium	<b>HINGE - HMB-L</b> 1.46" 1.29" Adjustable mounting bracket - Large	<b>HINGE - HMB-XL</b> 1.46" 4" Adjustable mounting bracket - XLarge	<b>Q-PIVOT</b> 1.03" Small mounting accessory	<b>Q-ANGLE</b> 1.38" 2.23" Adjustable mounting accessory	<b>NJ-MEDIUM</b> 	<b>NJ-LARGE</b> 	<b>SD-J-LARGE</b> 	<b>NU-LARGE</b> 	<b>BL-LARGE</b> Backwards L Mounting Bracket
<b>NL-LARGE</b> 	<b>SD-L-LARGE</b> 	L Mounting Bracket	L Mounting Bracket						



## ESSENTIALS TORQ-ENCAPSULATED (03) STATIC COLOR

24VDC Linear Fixtures - Surface & Recessed

### COMPATIBLE WIRING ACCESSORIES

 Q-mini-J 2" 1.25"	 Q-mini-J5 2.80" 2.27"	 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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### COMPATIBLE APPS

#### NFC APP



Read and write  
DMX addresses and  
adjust voltage