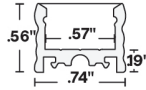
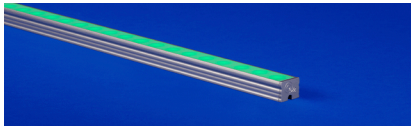




# ESSENTIALS TALO- ENCAPSULATED (03) RGB

## 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, and Blue LED allows for color changing applications
- Features 7 diodes per 2" cut point

### INFORMATION REQUIRED FOR LIGHTING SCHEDULE

1	2	3	4	5	6
PRODUCT	WATTS/FT	CCT	RATED	EFFICIENCY	LENS
TO3RGB	6.0	RGB	ENC	STD	

### ADDITIONAL INFORMATION REQUIRED TO ORDER

7	8	9	10	11	12	13	14	15	16	17
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
			STD	STD						

Sample Part Number: **TO3RGB-6.0-RGB-ENC-STD-TL-P1-BW-BW-STD-STD-BK-CL2-HSS-ST-48"-E**

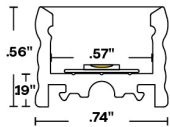
<b>1</b> <b>PRODUCT</b> <b>TO3RGB</b> See following pages for compatible power supplies.	<b>2</b> <b>WATTS/FT</b> <b>6.0</b> 6.0W/ft	<b>3</b> <b>CCT</b> <b>RGB</b>	<b>4</b> <b>RATED</b> <b>ENC IP67</b>	<b>5</b> <b>EFFICIENCY</b> <b>STD</b> Standard	<b>6</b> <b>LENS</b> <b>CL</b> Clear <b>TL</b> Translucent 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>WIRE INPUT/OUTPUT</b> <b>SINGLE (Input only)</b> <b>S1</b> End Feed <b>S2</b> Bottom Feed  <b>PASS THROUGH (Input/output)</b> <b>P1</b> End Feed <b>P2</b> Bottom Feed	<b>8</b> <b>CONNECTOR/WIRE IN</b> <b>BW</b> Bare Wire (Standard 24") <b>CON6</b> Connector 6" <b>CON24</b> Connector 24"  <b>BW</b> Bare Wire (Standard 24") <b>CON6</b> Connector 6" <b>CON24</b> Connector 24"	<b>9</b> <b>CONNECTOR/WIRE OUT</b> <b>CLS</b> Closed End (No feed)  <b>BW</b> Bare Wire (Standard 24") <b>CON6</b> Connector 6" <b>CON24</b> Connector 24"	<b>10</b> <b>INPUT END CAP</b> <b>STD</b> Standard STD - End cap matches fixture finish chosen	<b>11</b> <b>OUTPUT END CAP</b> <b>STD</b> Standard STD - End cap matches fixture finish chosen	<b>12</b> <b>WIRE COLOR</b> <b>WH</b> White <b>BK</b> Black	<b>13</b> <b>WIRE TYPE</b> <b>CL2</b> Class 2 <b>CL2P</b> Plenum Rated CL2P only available with bare wire leads (BW)
<b>14</b> <b>MOUNTING</b> <b>HSS</b> Hidden Stainless Steel Clip <b>TBC-01</b> 9/16" Flat or Tegal TB-Grid <b>TBC-02</b> 15/16" Flat or Tegal TB-Grid	<b>15</b> <b>FINISH</b> <b>ST</b> Satin <b>BK</b> Black <b>CU</b> Custom Custom finishes require a longer lead time, consult factory	<b>16</b> <b>LENGTH (IN)</b> Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".	<b>17</b> <b>EXACT/OPTIMAL</b> <b>O</b> Optimal Illumination <b>E</b> Exact Specified Length 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.			



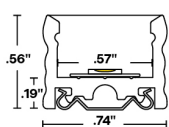
# ESSENTIALS TALO-ENCAPSULATED (03) RGB

24VDC Linear Fixtures - Surface

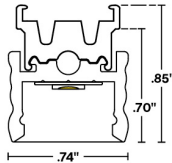
## 1 PRODUCT - DIMENSIONS



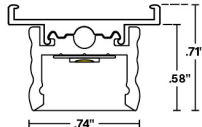
Profile



Profile with hidden stainless steel mounting clip



Profile with TBC-01



Profile with TBC-02

## 2 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]  
Tested with TO3RGB-6.0-RGB-ENC-STD

	Red		Green		Blue		All
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	
CL	62	633	125	523	35	469	201
TL	32	633	65	523	18	469	104

## 6 DIODE VISIBILITY



ENC/CL - Clear encapsulation

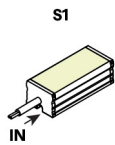
ENC/TL - Translucent encapsulation

## TEMPERATURE RATINGS

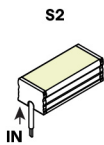
	6.0 W/FT	
	Min	Max
Ambient Operating Temp - Surface	-13°F	90°F

## 7 WIRE INPUT/OUTPUT

SINGLE (Input only)

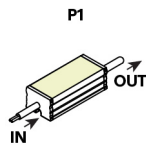


End Feed

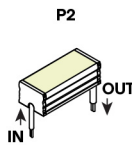


Bottom Feed

PASS THROUGH (Input/Output)



End Feed



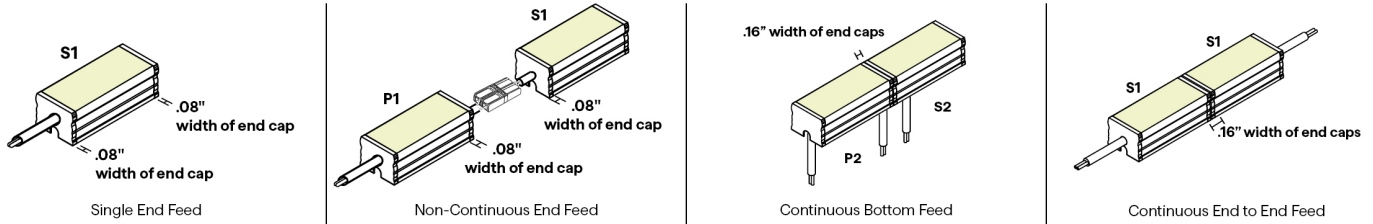
Bottom Feed



# ESSENTIALS TALO-ENCAPSULATED (03) RGB

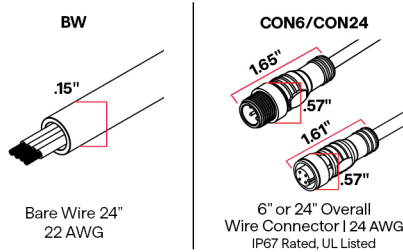
24VDC Linear Fixtures - Surface

## 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



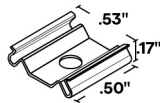
## 12 WIRE COLOR



White  
Black

## 14 MOUNTING

### HSS



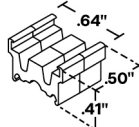
Hidden Stainless Steel Clip

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

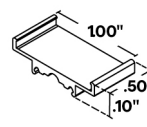
Use on 9/16\" Flat or Tegular Drop Ceiling

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



Satin  
Black  
Custom finishes require a longer lead time, consult factory



# ESSENTIALS TALO-ENCAPSULATED (03) RGB

## 24VDC Linear Fixtures - Surface

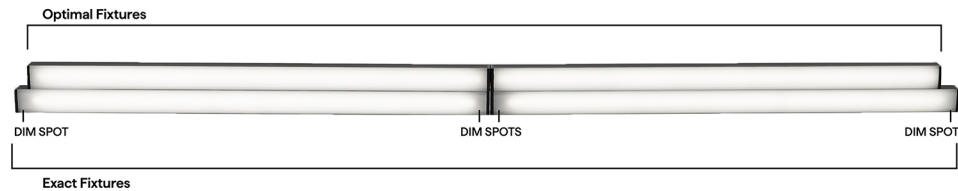
17

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.



### RGB 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"	10.51"		10.86"	
13"	12.51"		12.86"	
14"	12.51"		12.86"	
15"	14.51"		14.86"	
16"	14.51"		14.86"	
17"	16.51"		16.86"	
18"	16.51"		16.86"	
19"	18.51"		18.86"	
20"	18.51"		18.86"	
21"	20.51"		20.86"	
22"	20.51"		20.86"	
23"	22.51"		22.86"	
24"	22.51"		22.86"	
36"	34.51"		34.86"	
48"	46.51"		46.86"	
60"	58.51"		58.86"	
72"	70.51"		70.86"	
84"	82.51"		82.86"	
96"	94.51"		94.86"	

### 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
	RGB	RGB
0.1%	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DMX QTM-eLED+DALI-DT8 QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DALI-DT8 QOM-eLED+DMX QOM-eLED+PS-DALI-DT8 QZ-DMX
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with RGB App Dongle	



# ESSENTIALS TALO-ENCAPSULATED (03) RGB

24VDC Linear Fixtures - Surface

DIMMING PROTOCOL	INDOOR	OUTDOOR
	RGB	RGB
DMX	QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DMX QZ-DMX
DALI-2: DT8	QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QOM-eLED+DALI-DT8 QZ-DALI-DT8

## 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**

4" 1.46"

Adjustable mounting bracket - XLarge

**Q-PIVOT**

.75" 1.03"

Small mounting accessory

**Q-ANGLE**

2.23" 1.38"

Adjustable mounting accessory

## COMPATIBLE WIRING ACCESSORIES

**Q-mini-J5**

2.80" 2.27"

UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

**IQ-DMX-STICK-GA2**

DMX controller for changing color & dimming

## COMPATIBLE CONTROL ACCESSORIES

**SCENE APP DONGLE**

1.36" 2.58"

Wi-Fi or Bluetooth Connectivity

**IQ-DMX-STICK-GA2**

DMX controller for changing color & dimming

## COMPATIBLE APPS

**NFC APP**

Q-NFC

Read and write DMX addresses and adjust voltage