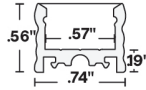




ESSENTIALS TALO- ENCAPSULATED (03) RGBW

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 paired with a specifiable white LED allow for color changing applications
- 21 diodes per 2" cut point allowing for minimal diode visibility

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

| 1 | 2 | 3 | 4 | 5 | 6 |
|---------|-----------|-----|-------|------------|------|
| PRODUCT | WATTS/ FT | CCT | RATED | EFFICIENCY | LENS |
| TO3RGBW | | | 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: **TO3RGBW-4.OHE-30-ENC-STD-TL-P1-BW-BW-STD-STD-BK-CL2-HSS-ST-48"-E**

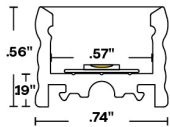
| | | | | | | |
|--|--|--|---|---|--|--|
| 1 PRODUCT TO3RGBW See following pages for compatible power supplies. | 2 WATTS/FT 6.0 6.0W/ft 4.OHE 4.0W/ft HE | 3 CCT 27 RGBW-2700K 30 RGBW-3000K 27 RGBW-2700K 30 RGBW-3000K 35 RGBW-3500K 40 RGBW-4000K | 4 RATED ENC IP67 | 5 EFFICIENCY STD Standard | 6 LENS 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 SINGLE (Input only) S1 End Feed S2 Bottom Feed PASS THROUGH (Input/output) P1 End Feed P2 Bottom Feed | 8 CONNECTOR/WIRE IN BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24" BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24" | 9 CONNECTOR/WIRE OUT CLS Closed End (No feed) BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24" | 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 | 13 WIRE TYPE CL2 Class 2 CL2P Plenum Rated CL2P only available with bare wire leads (BW) |
| 14 MOUNTING HSS Hidden Stainless Steel Clip TBC-01 9/16" Flat or Tegular TB-Grid TBC-02 15/16" Flat or Tegular TB-Grid | 15 FINISH ST Satin BK Black CU Custom Custom finishes require a longer lead time, consult factory | 16 LENGTH (IN) Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12". | 17 EXACT/OPTIMAL O Optimal Illumination E 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. | | | |



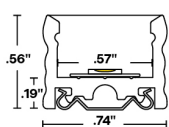
ESSENTIALS TALO-ENCAPSULATED (03) RGBW

24VDC Linear Fixtures - Surface

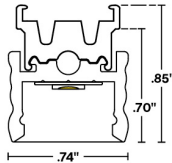
1 PRODUCT - DIMENSIONS



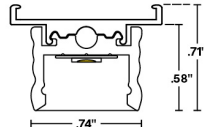
Profile



Profile with hidden stainless steel mounting clip



Profile with TBC-01



Profile with TBC-02

2 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]
Tested with TO3RGBW-**-30-ENC-STD

| | 6.0 W/FT | | | | | | | | 4.0HE W/FT | | | | | | | |
|----|----------|------------|-------|------------|-------|------------|-------|-----|------------|------------|-------|------------|-------|------------|-------|-----|
| | Red | | Green | | Blue | | 3000K | | Red | | Green | | Blue | | 3000K | |
| | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | CRI | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | CRI |
| CL | 28 | 631 | 76 | 513 | 23 | 464 | 97 | 93 | 25 | 629 | 95 | 516 | 20 | 465 | 58 | 97 |
| TL | 15 | 631 | 39 | 513 | 12 | 464 | 50 | 93 | 13 | 629 | 49 | 516 | 11 | 465 | 30 | 97 |

6 DIODE VISIBILITY



ENC/CL - Clear encapsulation

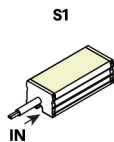
ENC/TL - Translucent encapsulation

TEMPERATURE RATINGS

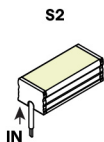
| | 6.0 W/FT | | 4.0 HE W/FT | |
|----------------------------------|----------|-------|-------------|-------|
| | Min | Max | Min | Max |
| Ambient Operating Temp - Surface | -4°F | 100°F | -4°F | 110°F |

7 WIRE INPUT/OUTPUT

SINGLE (Input only)

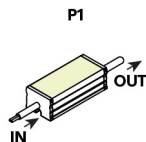


End Feed

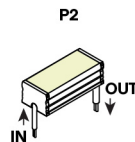


Bottom Feed

PASS THROUGH (Input/Output)



End Feed



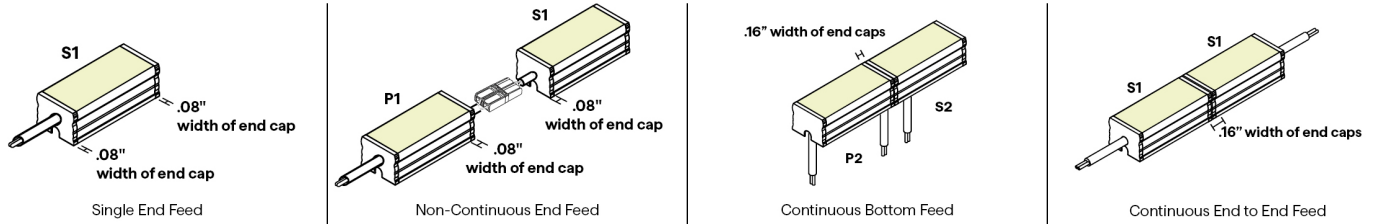
Bottom Feed



ESSENTIALS TALO-ENCAPSULATED (03) RGBW

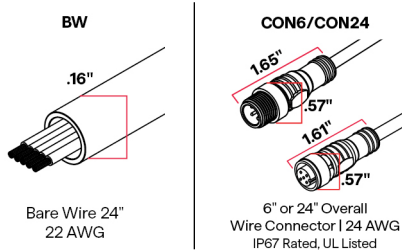
24VDC Linear Fixtures - Surface

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

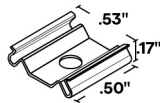


White

Black

14 MOUNTING

HSS



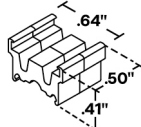
Hidden Stainless Steel Clip

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

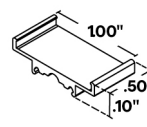
Use on 9/16" Flat or Tegular Drop Ceiling

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) RGBW

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.



RGBW-HE 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" | |

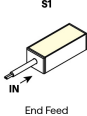


ESSENTIALS TALO-ENCAPSULATED (03) RGBW

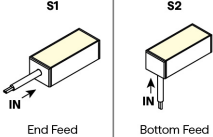
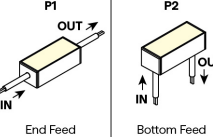
24VDC Linear Fixtures - Surface

RGBW ENC LENGTHS BY INCH

EXACT LENGTH

| Requested Length | Potential dim spot on either end of a S1 fixture  |
|------------------|---|
| 12" | 2" |
| 13" | 0.5" |
| 14" | 1" |
| 15" | 1.5" |
| 16" | 2" |
| 17" | 0.5" |
| 18" | 1" |
| 19" | 1.5" |
| 20" | 2" |
| 21" | 0.5" |
| 22" | 1" |
| 23" | 1.5" |
| 24" | 2" |
| 36" | 2" |
| 48" | 2" |
| 60" | 2" |
| 72" | 2" |
| 84" | 2" |
| 96" | 2" |

OPTIMAL LENGTH

| Requested Nominal Length | S1 & S2  | P1 & P2  |
|--------------------------|--|---|
| 12" | 8.51" | 8.86" |
| 13" | 12.51" | 12.86" |
| 14" | 12.51" | 12.86" |
| 15" | 12.51" | 12.86" |
| 16" | 12.51" | 12.86" |
| 17" | 16.51" | 16.86" |
| 18" | 16.51" | 16.86" |
| 19" | 16.51" | 16.86" |
| 20" | 16.51" | 16.86" |
| 21" | 20.51" | 20.86" |
| 22" | 20.51" | 20.86" |
| 23" | 20.51" | 20.86" |
| 24" | 20.51" | 20.86" |
| 36" | 32.51" | 32.86" |
| 48" | 44.51" | 44.86" |
| 60" | 56.51" | 56.86" |
| 72" | 68.51" | 68.86" |
| 84" | 80.51" | 80.86" |
| 96" | 92.51" | 92.86" |

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 |
|--------------|--|---|
| | RGBW, RGBW-HE | RGBW, RGBW-HE |
| 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 RGBW App Dongle | |


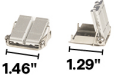



| DIMMING PROTOCOL | INDOOR | OUTDOOR |
|------------------|--|---|
| | RGBW, RGBW-HE | RGBW, RGBW-HE |
| DMX | QTM-eLED+DMX QZ-DMX | Q-SET-QZ-DMX QOM-eLED+DMX QZ-DMX |
| DALI-2: DT8 | QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8 | Q-SET+QZ-DALI-DT8 QOM-eLED+DALI-DT8 QZ-DALI-DT8 |
| SCENE App Dimmed | Non-Dim Power Supply with RGBW App Dongle | |



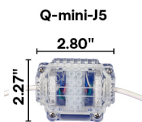
ESSENTIALS TALO-ENCAPSULATED (03) RGBW

24VDC Linear Fixtures - Surface

COMPATIBLE MOUNTING ACCESSORIES



| | | | | |
|---|---|---|---|---|
| HINGE - HMB-M | HINGE - HMB-L | HINGE - HMB-XL | Q-PIVOT | Q-ANGLE |
|  |  |  |  |  |
| Adjustable mounting bracket - Medium | Adjustable mounting bracket - Large | Adjustable mounting bracket - XLarge | Small mounting accessory | Adjustable mounting accessory |

COMPATIBLE WIRING ACCESSORIES



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

COMPATIBLE CONTROL ACCESSORIES

| | |
|--|--|
| SCENE APP DONGLE | IQ-DMX-STICK-GA2 |
|  |  |
| Wi-Fi or Bluetooth Connectivity | DMX controller for changing color & dimming |

COMPATIBLE APPS

