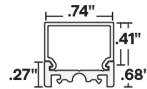
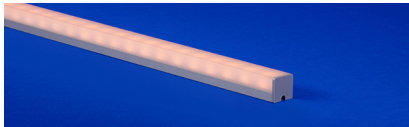




ESSENTIALS TRE3-FLAT (01)

STATIC COLOR

24VDC Linear Fixtures - Surface



- Linear fixture designed for surface mount and grid ceiling applications
- Diffused lens
- Three-sided illumination
- Mounting options include hidden stainless steel clip and plastic T-bar clips
- Features painted end caps to match extrusion finish
- Can be suitable for exterior use when specified as wet, contact factory for more information
- 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

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

| 1 | 2 | 3 | 4 | 5 | 6 |
|---------|-----------|-----|-------|------------|------|
| PRODUCT | WATTS/ FT | CCT | RATED | EFFICIENCY | LENS |
| TR1SC | 5.0 | | | STD | DF |

ADDITIONAL INFORMATION REQUIRED TO ORDER

| 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|--------------------|--------------------|---------------------|------------|-----------|----------|--------|-------------|----------------|
| WIRE INPUT/ OUTPUT | CONNECTOR/ WIRE IN | CONNECTOR/ WIRE OUT | WIRE COLOR | WIRE TYPE | MOUNTING | FINISH | LENGTH (IN) | EXACT/ OPTIMAL |
| | | | | | | | | |

Sample Part Number: **TR1SC-5.0-GR-DRY-STD-DF-P1-BW-BW-BK-CL2-HSS-ST-48"-E**

| | | | | | | | | |
|--|--|---|---|---|---|--|---|---|
| 1 PRODUCT TR1SC See following pages for compatible power supplies. | 2 WATTS/FT 5.0 5.0W/ft | 3 CCT A Amber B Blue G Green R Red | 4 RATED DRY IP20 DMP IP54 WET IP67 Can be suitable for exterior use, contact factory for more information | 5 EFFICIENCY STD Standard | 6 LENS DF Diffused 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") BRL Barrel CON6 Connector 6" CON24 Connector 24" BW Bare Wire (Standard 24") BRL Barrel CON6 Connector 6" CON24 Connector 24" | 9 CONNECTOR/WIRE OUT CLS Closed End (No feed) BW Bare Wire (Standard 24") BRL Barrel CON6 Connector 6" CON24 Connector 24" | 10 WIRE COLOR WH White BK Black N/A For Barrel wet barrel only available in black | 11 WIRE TYPE CL2 Class 2 CL2P Plenum Rated N/A For Barrel CL2P only available with bare wire leads (BW) | 12 MOUNTING HSS Hidden Stainless Steel Clip TBC-01 9/16" Flat or Tegular TB-Grid TBC-02 15/16" Flat or Tegular TB-Grid | 13 FINISH ST Satin CU Custom Custom finishes require a longer lead time, consult factory | 14 LENGTH (IN) Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12". | 15 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. |

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)

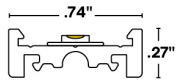
BW: Standard length is 24", Max length is 120".
Request custom length by writing in part number next to BW (example: BW48)



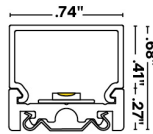
ESSENTIALS TRE3-FLAT (01) STATIC COLOR

24VDC Linear Fixtures - Surface

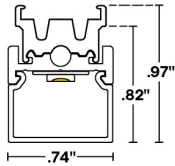
1 PRODUCT - DIMENSIONS



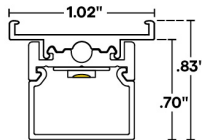
Profile



Profile with hidden stainless steel mounting clip



Profile with TBC-01



Profile with TBC-02

2 DELIVERED LUMENS

[Calculated L70 = 30000 hrs]
Tested with TRISC-5.0-**-DRY-STD

| | Red | | Green | | Blue | | Amber | |
|----|-------|------------|-------|------------|-------|------------|-------|------------|
| | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH |
| DF | 94 | 633 | 369 | 517 | 92 | 466 | 57 | 597 |

6 DIODE VISIBILITY

SC

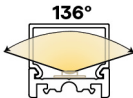
DF - Diffused lens



PHOTOMETRIC PERFORMANCE

Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data.

DF



Diffused 136°



ESSENTIALS TRE3-FLAT (01) STATIC COLOR

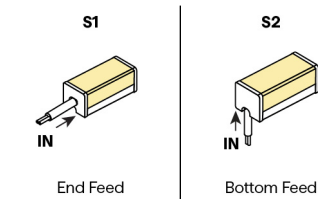
24VDC Linear Fixtures - Surface

TEMPERATURE RATINGS

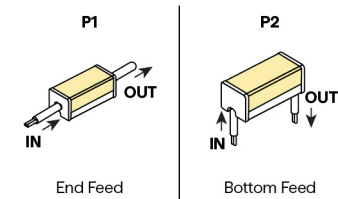
| | | 5.0 W/FT | |
|-----|----------------------------------|----------|-------|
| | | Min | Max |
| DRY | Ambient Operating Temp - Surface | -4°F | 125°F |
| DMP | Ambient Operating Temp - Surface | -4°F | 120°F |

7 WIRE INPUT/OUTPUT

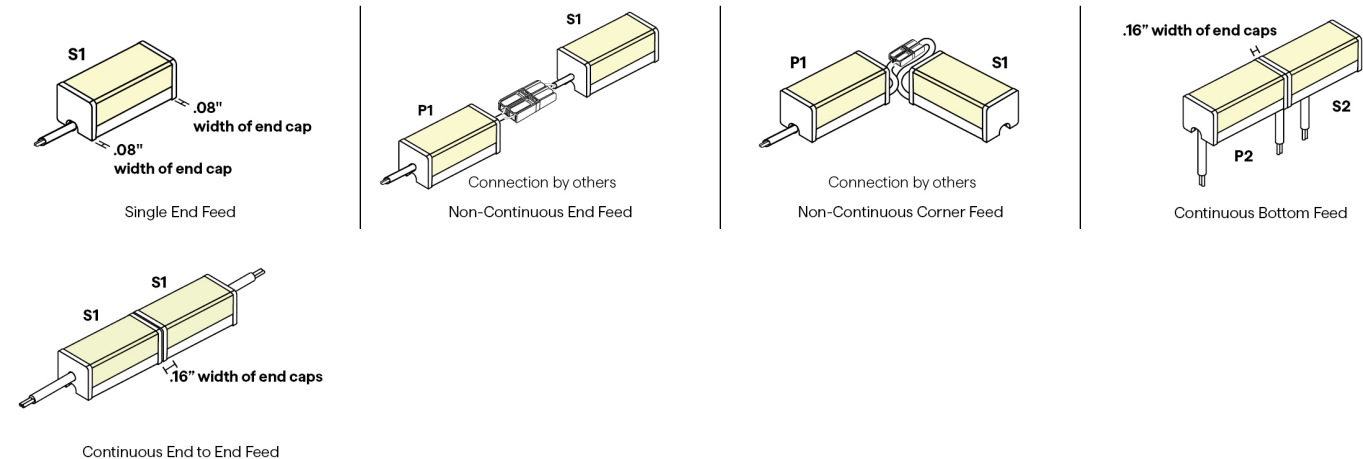
SINGLE (Input only)



PASS THROUGH (Input/Output)

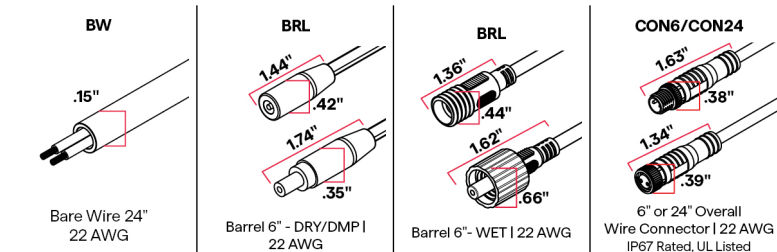


CONFIGURATION OPTIONS



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



10 WIRE COLOR





ESSENTIALS TRE3-FLAT (01) STATIC COLOR

24VDC Linear Fixtures - Surface

12 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. 1 T-Bar Mounting Jig included with each fixture.

To order separately use TBC-01

Each pair of clips comes with M2.5 x 4mm

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. 1 T-Bar Mounting Jig included with each fixture.

To order separately use TBC-02

13 FINISH



Satin

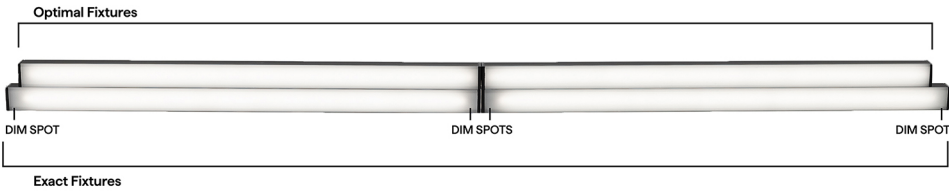
Custom finishes require a longer lead time, consult factory

14 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.





ESSENTIALS TRE3-FLAT (01) STATIC COLOR

24VDC Linear Fixtures - Surface

SC DRY DMP LENGTHS BY INCH

EXACT LENGTH

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

| Requested Nominal Length | 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" | |

SC WET LENGTHS BY INCH

EXACT LENGTH

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

| Requested Nominal Length | S1 & S2 | | P1 & P2 | |
|--------------------------|---|---|---|--|
| |  |  |  |  |
| 12" | 10.61" | | 10.76" | |
| 13" | 12.61" | | 12.76" | |
| 14" | 12.61" | | 12.76" | |
| 15" | 14.61" | | 14.76" | |
| 16" | 14.61" | | 14.76" | |
| 17" | 16.61" | | 16.76" | |
| 18" | 16.61" | | 16.76" | |
| 19" | 18.61" | | 18.76" | |
| 20" | 18.61" | | 18.76" | |
| 21" | 20.61" | | 20.76" | |
| 22" | 20.61" | | 20.76" | |
| 23" | 22.61" | | 22.76" | |
| 24" | 22.61" | | 22.76" | |
| 36" | 34.61" | | 34.76" | |
| 48" | 46.61" | | 46.76" | |
| 60" | 58.61" | | 58.76" | |
| 72" | 70.61" | | 70.76" | |
| 84" | 82.61" | | 82.76" | |
| 96" | 94.61" | | 94.76" | |



ESSENTIALS TRE3-FLAT (01) 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 | |

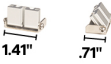
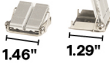



| DIMMING PROTOCOL | INDOOR | OUTDOOR |
|------------------|--|--|
| | SC | SC |
| Non-Dim | QT-CAB-eLED-ND QTM-eLED-ND QZ-ND | Q-SET-QZ-ND Q-SET-eLED-ND QOM-eLED-ND QZ-ND |
| Phase | Q6M-DC+CAP QT-CAB-QZ-PH/0-10V QTM-DC+CAP QTM-eLED(E) QZ-BOWTIE+DIMMER QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP iQ-PH+QD1 | 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 | |




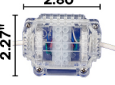





ESSENTIALS TRE3-FLAT (01) STATIC COLOR

24VDC Linear Fixtures - Surface

COMPATIBLE MOUNTING ACCESSORIES

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

COMPATIBLE WIRING ACCESSORIES

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

COMPATIBLE APPS

NFC APP



Read and write DMX addresses and adjust voltage