# ESSENTIALS TRE3-FLAT (01) STATIC WHITE

24VDC Linear Fixtures - Surface

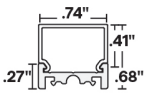
410.2 & 410.16 Closet Rated up to 4.0W/ft

1-BIN 1-STEP SW/SW-HE ONLY

5 YEAR WARRANTY

SW, SW-HE ONLY






- 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
- Suitable for installation in the storage area of a clothes closet when specified with LEDs at 4.0 watts or less per foot per NEC regulations
- Can be suitable for exterior use when specified as wet, contact factory for more information

**INFORMATION REQUIRED FOR LIGHTING SCHEDULE**

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

**ADDITIONAL INFORMATION REQUIRED TO ORDER**

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

Sample Part Number: **TR1SW-5.0-30-DRY-STD-DF-P1-BW-BW-BK-CL2-HSS-ST-48"-E**

## 1 PRODUCT

**TR1SW**
**TR1SW-USA**

Select USA option for BAA and BABA projects. SW and SW-HE only. Only DRY or WET ratings apply.

See following pages for compatible power supplies.

## 2 WATTS/FT

| | |
|---|---|
| **1.5** | 1.5W/ft |
| **3.0** | 3.0W/ft |
| **4.0** | 4.0W/ft |
| **5.0** | 5.0W/ft |
| **1.5HE** | 1.5W/ft HE |
| **3.0HE** | 3.0W/ft HE |
| **6.0HE** | 6.0W/ft HE |
| **9.0HE** | 9.0W/ft HE |

| | |
|---|---|
| **3.0HE+** | 3.0W/ft HE+ |
| **6.0HE+** | 6.0W/ft HE+ |

| | |
|---|---|
| **1.5** | 1.5W/ft |
| **3.0** | 3.0W/ft |
| **4.0** | 4.0W/ft |
| **5.0** | 5.0W/ft |
| **1.5HE** | 1.5W/ft HE |
| **3.0HE** | 3.0W/ft HE |
| **6.0HE** | 6.0W/ft HE |

| | |
|---|---|
| **1.5** | 1.5W/ft |
| **3.0** | 3.0W/ft |
| **4.0** | 4.0W/ft |
| **5.0** | 5.0W/ft |

## 3 CCT

| | |
|---|---|
| **18** | 1800K |
| **20** | 2000K |
| **22** | 2200K |
| **24** | 2400K |
| **27** | 2700K |
| **30** | 3000K |
| **35** | 3500K |
| **40** | 4000K |

| | |
|---|---|
| **27** | 2700K |
| **30** | 3000K |
| **35** | 3500K |
| **40** | 4000K |

| | |
|---|---|
| **18** | 1800K |
| **20** | 2000K |
| **22** | 2200K |
| **24** | 2400K |
| **27** | 2700K |
| **30** | 3000K |
| **35** | 3500K |
| **40** | 4000K |

| | |
|---|---|
| **18** | 1800K |
| **20** | 2000K |
| **22** | 2200K |
| **24** | 2400K |
| **27** | 2700K |
| **30** | 3000K |
| **35** | 3500K |
| **40** | 4000K |

## 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 |

For continuous mounting, consider bottom feed
When using TBC Mounting, a bare wire S2 wire feed is recommended.
See install instructions for details.

## 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" |

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

## 9 CONNECTOR/WIRE OUT

| | |
|---|---|
| **CLS** | Closed End (No feed) |

| | |
|---|---|
| **BW** | Bare Wire (Standard 24") |
| **BRL** | Barrel |
| **CON6** | Connector 6" |
| **CON24** | Connector 24" |

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

## 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.

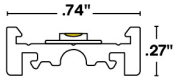
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Specification subject to change. Rev-05-07-26

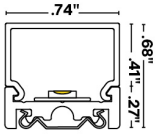
# ESSENTIALS TRE3-FLAT (01) STATIC WHITE

24VDC Linear Fixtures - Surface

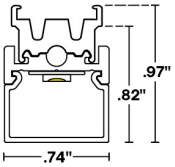
## 1 PRODUCT - DIMENSIONS



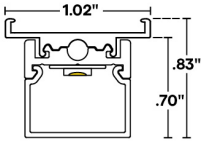

Profile




Profile with hidden stainless steel mounting clip




Profile with TBC-01



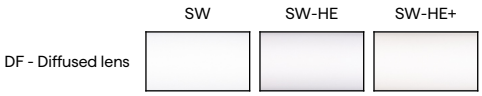

Profile with TBC-02

## 2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs, L70 = 50000 for HE+]
Tested with TR1SW-**-30-DRY-STD

| | 1.5 W/FT | | 1.5HE W/FT | | 3.0 W/FT | | 3.0HE W/FT | | 3.0HE+ W/FT | | 4.0 W/FT | | 5.0 W/FT | | 6.0HE W/FT | | 6.0HE+ W/FT | | 9.0HEW/FT | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LM/FT | CRI | LM/FT | CRI | LM/FT | CRI | LM/FT | CRI | LM/FT | CRI | LM/FT | CRI | LM/FT | CRI | LM/FT | CRI | LM/FT | CRI | LM/FT | CRI |
| DF | 130 | 98 | 162 | 98 | 227 | 98 | 297 | 98 | 429 | 92 | 282 | 98 | 343 | 98 | 563 | 98 | 792 | 92 | 879 | 98 |

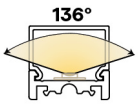
## 6 DIODE VISIBILITY




## PHOTOMETRIC PERFORMANCE

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

**DF**




Diffused 136°

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# ESSENTIALS TRE3-FLAT (01) STATIC WHITE

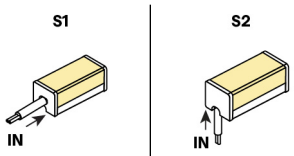
24VDC Linear Fixtures - Surface

## TEMPERATURE RATINGS

| | | 1.5 W/FT | | 1.5 HE W/FT | | 3.0 W/FT | | 3.0 HE W/FT | | 3.0 HE+ W/FT | | 4.0 W/FT | | 5.0 W/FT | | 6.0 HE W/FT | | 6.0 HE+ W/FT | | 9.0 HE W/FT | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max |
| DRY | Ambient Operating Temp - Surface | -4°F | 140°F | -4°F | 145°F | -4°F | 130°F | -4°F | 135°F | -13°F | 135°F | -4°F | 125°F | -4°F | 120°F | -4°F | 120°F | -13°F | 120°F | -4°F | 100°F |
| DMP | Ambient Operating Temp - Surface | -4°F | 140°F | -4°F | 145°F | -4°F | 130°F | -4°F | 135°F | — | — | -4°F | 125°F | -4°F | 120°F | -4°F | 120°F | — | — | — | — |
| WET | Ambient Operating Temp - Surface | -4°F | 135°F | — | — | -4°F | 125°F | — | — | — | — | -4°F | 120°F | -4°F | 115°F | — | — | — | — | — | — |

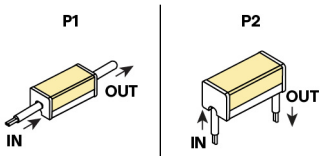
## 7 WIRE INPUT/OUTPUT

SINGLE (Input only)



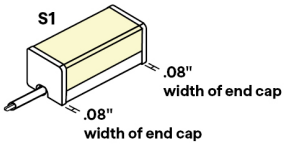

End Feed | Bottom Feed

PASS THROUGH (Input/Output)

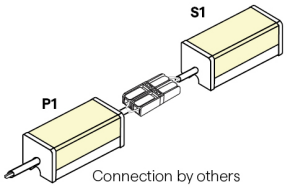



End Feed | Bottom Feed

## CONFIGURATION OPTIONS

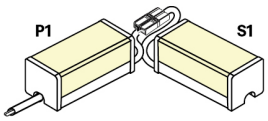



Single End Feed



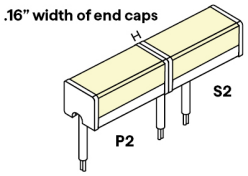

Connection by others

Non-Continuous End Feed

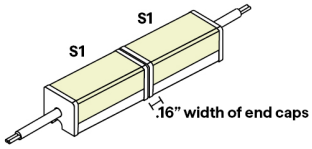



Connection by others

Non-Continuous Corner Feed



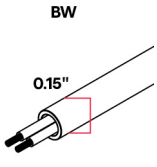

Continuous Bottom Feed



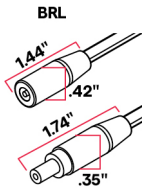

Continuous End to End Feed

## 8/9 CONNECTOR/WIRE – IN/OUT

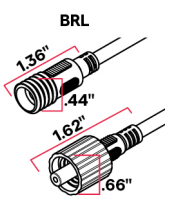
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



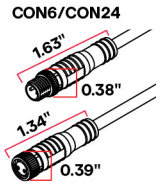

Bare Wire 24"
22 AWG




Barrel 6" - DRY/DMP | 22 AWG

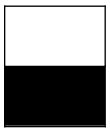



Barrel 6"- WET | 22 AWG




6" or 24" Overall
Wire Connector | 22 AWG
IP67 Rated, UL Listed

## 10 WIRE COLOR



White

Black

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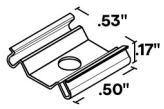
Specification subject to change. Rev-05-07-26

# ESSENTIALS TRE3-FLAT (01) STATIC WHITE

24VDC Linear Fixtures - Surface

## 12 MOUNTING

**HSS**



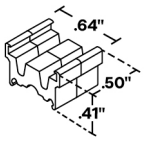

Hidden Stainless Steel Clip

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

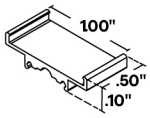
Use on 9/16" Flat or Tegular Drop Ceiling

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

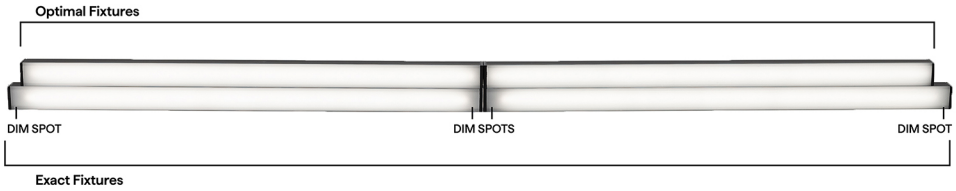
Satin

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.



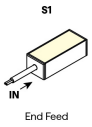

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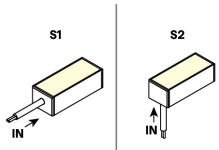
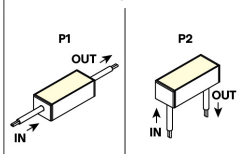
24VDC Linear Fixtures - Surface

## SW DRY DMP LENGTHS BY INCH

### EXACT LENGTH

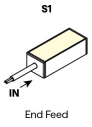
| Requested Length | Potential dim spot on either end of a S1 fixture   |
|---|---|
| 12" | 0.5" |
| 13" | 0.5" |
| 14" | 0.5" |
| 15" | 0.5" |
| 16" | 0.5" |
| 17" | 0.5" |
| 18" | 0.5" |
| 19" | 0.5" |
| 20" | 0.5" |
| 21" | 0.5" |
| 22" | 0.5" |
| 23" | 0.5" |
| 24" | 0.5" |
| 36" | 0.5" |
| 48" |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

### OPTIMAL LENGTH

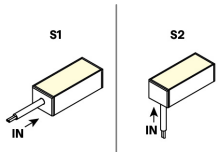
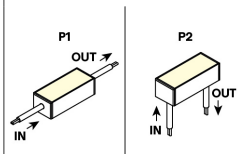
| Requested Nominal Length | S1 & S2   | P1 & P2   |
|---|---|---|
| 12" | 11.41" | 11.66" |
| 13" | 12.41" | 12.66" |
| 14" | 13.41" | 13.66" |
| 15" | 14.41" | 14.66" |
| 16" | 15.41" | 15.66" |
| 17" | 16.41" | 16.66" |
| 18" | 17.41" | 17.66" |
| 19" | 18.41" | 18.66" |
| 20" | 19.41" | 19.66" |
| 21" | 20.41" | 20.66" |
| 22" | 21.41" | 21.66" |
| 23" | 22.41" | 22.66" |
| 24" | 23.41" | 23.66" |
| 36" | 35.41" | 35.66" |
| 48" | 47.41" | 47.66" |
| 60" | 59.41" | 59.66" |
| 72" | 71.41" | 71.66" |
| 84" | 83.41" | 83.66" |
| 96" | 95.41" | 95.66" |

## SW WET LENGTHS BY INCH

### EXACT LENGTH

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

### OPTIMAL LENGTH

| Requested Nominal Length | S1 & S2   | P1 & P2   |
|---|---|---|
| 12" | 11.56" | 11.71" |
| 13" | 12.56" | 12.71" |
| 14" | 13.56" | 13.71" |
| 15" | 14.56" | 14.71" |
| 16" | 15.56" | 15.71" |
| 17" | 16.56" | 16.71" |
| 18" | 17.56" | 17.71" |
| 19" | 18.56" | 18.71" |
| 20" | 19.56" | 19.71" |
| 21" | 20.56" | 20.71" |
| 22" | 21.56" | 21.71" |
| 23" | 22.56" | 22.71" |
| 24" | 23.56" | 23.71" |
| 36" | 35.56" | 35.71" |
| 48" | 47.56" | 47.71" |
| 60" | 59.56" | 59.71" |
| 72" | 71.56" | 71.71" |
| 84" | 83.56" | 83.71" |
| 96" | 95.56" | 95.71" |

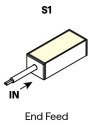
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# ESSENTIALS TRE3-FLAT (01) STATIC WHITE

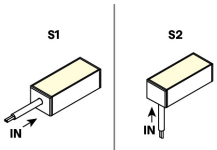
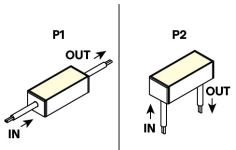
24VDC Linear Fixtures - Surface

## SW-HE, SW-HE+ 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   End Feed / Bottom Feed | P1 & P2   End Feed / Bottom Feed |
|---|---|---|
| 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" |

## 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 | |
|---|---|---|---|---|
| | SW24/1.5-4.0 | SW24/5.0, SW-HE, SW-HE+ | SW24/1.5-4.0 | SW24/5.0, SW-HE, SW-HE+ |
| Dim to Black | Q6M-DC+CAP<br>QTM-DC+CAP<br>iQ-PH+QD1 | Q6M-DC+CAP<br>QTM-DC+CAP<br>iQ-PH+QD1 | QOM-DC+CAP<br>QOM-PH | QOM-DC+CAP<br>QOM-PH |
| 0.1% | QT-CAB-QZ-PH/0-10V<br>QT-CAB-eLED+0-10V<br>QT-CAB-eLED+0-10V-AWN<br>QT-CAB-eLED+DALI-DT6<br>QT-CAB-eLED+DALI-DT6-AWN<br>QTM-eLED+0-10V<br>QTM-eLED+0-10V-AWN<br>QTM-eLED+DALI-DT6<br>QTM-eLED+DALI-DT6-AWN<br>QZ-BOWTIE+DIMMER<br>QZ-DMX<br>QZ-PRO-PH/0-10V<br>QZ-STICK-PH/0-10V<br>QZLP | QT-CAB-QZ-PH/0-10V<br>QT-CAB-eLED+0-10V<br>QT-CAB-eLED+0-10V-AWN<br>QT-CAB-eLED+DALI-DT6<br>QT-CAB-eLED+DALI-DT6-AWN<br>QTM-eLED+0-10V<br>QTM-eLED+0-10V-AWN<br>QTM-eLED+DALI-DT6<br>QTM-eLED+DALI-DT6-AWN<br>QZ-BOWTIE+DIMMER<br>QZ-DMX<br>QZ-PRO-PH/0-10V<br>QZ-STICK-PH/0-10V<br>QZLP | Q-SET-QZ-DMX<br>Q-SET-QZ-PH/0-10V<br>Q-SET-eLED+0-10V<br>QOM-eLED+0-10V<br>QOM-eLED+DALI-DT6<br>QOM-eLED+DALI-DT6-PS<br>QZ-DMX<br>QZ-PRO-PH/0-10V | Q-SET-QZ-DMX<br>Q-SET-QZ-PH/0-10V<br>Q-SET-eLED+0-10V<br>QOM-eLED+0-10V<br>QOM-eLED+DALI-DT6<br>QOM-eLED+DALI-DT6-PS<br>QZ-DMX<br>QZ-PRO-PH/0-10V |
| 1% | QTM-eLED(E)<br>QZ-DALI-DT6 | QTM-eLED(E)<br>QZ-DALI-DT6 | Q-SET+QZ-DALI-DT6<br>QZ-DALI-DT6 | Q-SET+QZ-DALI-DT6<br>QZ-DALI-DT6 |
| 10% | Non-Dim Power Supply with SW App Dongle | Non-Dim Power Supply with SW App Dongle | Q-HEX-mini-DC<br>Q-SET-mLED | |

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# ESSENTIALS TRE3-FLAT (01) STATIC WHITE

24VDC Linear Fixtures - Surface

| DIMMING PROTOCOL | INDOOR | | OUTDOOR | |
|---|---|---|---|---|
| | SW24/1.5-4.0 | SW24/5.0, SW-HE, SW-HE+ | SW24/1.5-4.0 | SW24/5.0, SW-HE, SW-HE+ |
| **Non-Dim** | QT-CAB-eLED-ND<br>QTM-eLED-ND<br>QZ-ND | QT-CAB-eLED-ND<br>QTM-eLED-ND<br>QZ-ND | Q-SET-QZ-ND<br>Q-SET-eLED-ND<br>QOM-eLED-ND<br>QZ-ND | Q-SET-QZ-ND<br>Q-SET-eLED-ND<br>QOM-eLED-ND<br>QZ-ND |
| **Phase** | Q6M-DC+CAP<br>QT-CAB-QZ-PH/0-10V<br>QTM-DC+CAP<br>QTM-eLED(E)<br>QZ-BOWTIE+DIMMER<br>QZ-PRO-PH/0-10V<br>QZ-STICK-PH/0-10V<br>QZLP<br>iQ-PH+QD1 | Q6M-DC+CAP<br>QT-CAB-QZ-PH/0-10V<br>QTM-DC+CAP<br>QTM-eLED(E)<br>QZ-BOWTIE+DIMMER<br>QZ-PRO-PH/0-10V<br>QZ-STICK-PH/0-10V<br>QZLP<br>iQ-PH+QD1 | Q-HEX-mini-DC<br>Q-SET-QZ-PH/0-10V<br>Q-SET-mLED<br>QOM-DC+CAP<br>QOM-PH<br>QZ-PRO-PH/0-10V | Q-SET-QZ-PH/0-10V<br>QOM-DC+CAP<br>QOM-PH<br>QZ-PRO-PH/0-10V |
| **0-10V** | QT-CAB-QZ-PH/0-10V<br>QT-CAB-eLED+0-10V<br>QT-CAB-eLED+0-10V-AWN<br>QTM-eLED+0-10V<br>QTM-eLED+0-10V-AWN<br>QZ-PRO-PH/0-10V<br>QZ-STICK-PH/0-10V<br>QZLP | QT-CAB-QZ-PH/0-10V<br>QT-CAB-eLED+0-10V<br>QT-CAB-eLED+0-10V-AWN<br>QTM-eLED+0-10V<br>QTM-eLED+0-10V-AWN<br>QZ-PRO-PH/0-10V<br>QZ-STICK-PH/0-10V<br>QZLP | Q-SET-QZ-PH/0-10V<br>Q-SET-eLED+0-10V<br>QOM-eLED+0-10V<br>QZ-PRO-PH/0-10V | Q-SET-QZ-PH/0-10V<br>Q-SET-eLED+0-10V<br>QOM-eLED+0-10V<br>QZ-PRO-PH/0-10V |
| **Lutron Athena** | QT-CAB-eLED+0-10V-AWN<br>QT-CAB-eLED+DALI-DT6-AWN<br>QTM-eLED+0-10V-AWN<br>QTM-eLED+DALI-DT6-AWN | QT-CAB-eLED+0-10V-AWN<br>QT-CAB-eLED+DALI-DT6-AWN<br>QTM-eLED+0-10V-AWN<br>QTM-eLED+DALI-DT6-AWN | | |
| **ECO System** | QTM-eLED(E) | QTM-eLED(E) | | |
| **DMX** | QZ-DMX | QZ-DMX | Q-SET-QZ-DMX<br>QZ-DMX | Q-SET-QZ-DMX<br>QZ-DMX |
| **DALI-2: DT6** | QT-CAB-eLED+DALI-DT6<br>QT-CAB-eLED+DALI-DT6-AWN<br>QTM-eLED+DALI-DT6<br>QTM-eLED+DALI-DT6-AWN<br>QZ-DALI-DT6 | QT-CAB-eLED+DALI-DT6<br>QT-CAB-eLED+DALI-DT6-AWN<br>QTM-eLED+DALI-DT6<br>QTM-eLED+DALI-DT6-AWN<br>QZ-DALI-DT6 | Q-SET+QZ-DALI-DT6<br>QOM-eLED+DALI-DT6<br>QZ-DALI-DT6 | Q-SET+QZ-DALI-DT6<br>QOM-eLED+DALI-DT6<br>QZ-DALI-DT6 |
| **SCENE App Dimmed** | Non-Dim Power Supply with SW App Dongle | Non-Dim Power Supply with SW App Dongle | | |

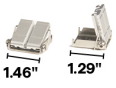
## COMPATIBLE MOUNTING ACCESSORIES

**HINGE - HMB-M**




Adjustable mounting bracket - Medium

**HINGE - HMB-L**




Adjustable mounting bracket - Large

**HINGE - HMB-XL**




Adjustable mounting bracket - XLarge

**Q-PIVOT**




Small mounting accessory

**Q-ANGLE**




Adjustable mounting accessory

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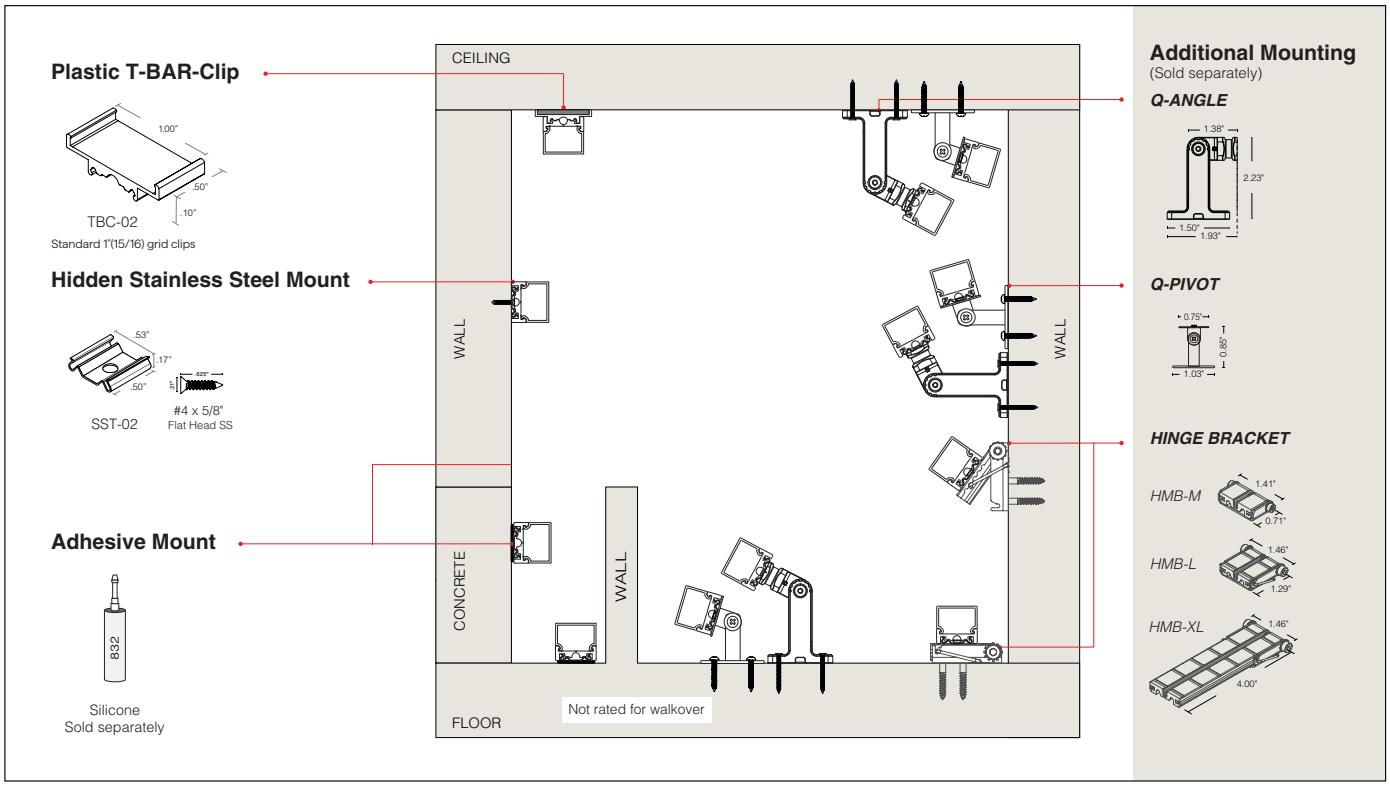
# ESSENTIALS TRE3

Linear Fixture Installation Instructions

## ATTENTION: Please read all instructions BEFORE installation

- Product to be installed by a licensed electrician - Field modifications void warranty
- Use only with Class 2 power supply unit — Warranty only valid with QTL power supplies
- Surface mount
- Suitable for installation in storage area of a clothes closet when assembled as a finished fixture up to 4W/ft at QTL facility
- Not rated for walkover
- Input Voltage: 24VDC
- Diagrams for representation only and not to scale

## METHODS OF INSTALLATION




SURFACE MOUNTING METHOD

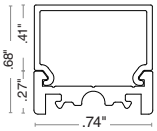
- Silicone Mount (page 4)
- Hidden Stainless Steel Clip Mount (page 5)
- Plastic T-BAR Clip Mount (page 6)



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# ESSENTIALS TRE3

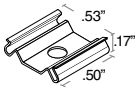
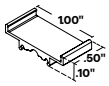
Linear Fixture Installation Instructions



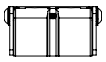
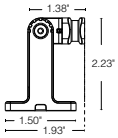

TRE3-FLAT (01)

## COMPONENTS & HARDWARE

Alternate screw lengths can be used in installation as long as the screw diameter size is consistent with the included screw diameter size

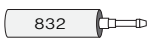
| HIDDEN STAINLESS STEEL CLIP | PLASTIC T-BAR CLIP | |
|---|---|---|
|  SST-02<br><br>Included:  Flat Head Screw #4x5/8" |  TBC-01<br>9/16" Flat or Tegular TB-grid clips |  TBC-02<br>15/16" Flat or Tegular TB-grid clips |
| • 2 clips provided for 4' or less; 4 clips provided for greater than 4" | • 2 Clips provided per first 12", 1 clip provided per additional foot. | • 2 Clips provided per first 12", 1 clip provided per additional foot. |

### ACCESSORIES SOLD SEPARATELY

| HINGE BRACKET; sold individually | Q-ANGLE; sold in pairs | Q-PIVOT; sold in pairs |
|---|---|---|
|  Image shows HMB-M<br><br>HMB-M<br>HMB-L<br>HMB-XL |  Q-ANGLE |  Q-PIVOT |
| Included<br>• 3/4" long mount screw<br>• 1/4" #4 clip mount screw | Included<br>• 4 SS #6x1.25" Flat head wood screws<br>• 2 SS 4-40 Flat head clip screws<br>• 2 SS 6-32 Fillister screws | Included<br>• SS #4-40x3/16 Flat head screws<br>• 2 #4x3/4 Pan Head screws |

### ADHESIVE SOLD SEPARATELY

SILICONE

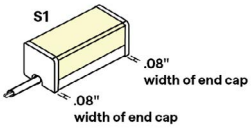



DOWSIL 832

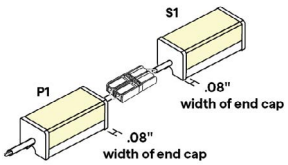


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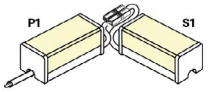
## CONTINUOUS WIRING CONFIGURATION OPTIONS



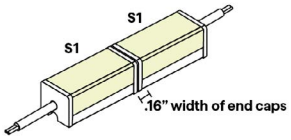

Single End Feed



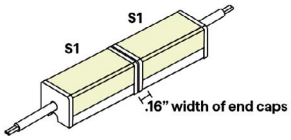

Non-Continuous End Feed




Non-Continuous Corner Feed




Continuous End to End Feed




Continuous End to End Feed

Review wire method to ensure clean installation prior to mounting extrusion.

**NOTE:** Additional wire methods include:
S1, S2: Connector/Wire Input only
P1, P2: Connector/Wire Input and Output



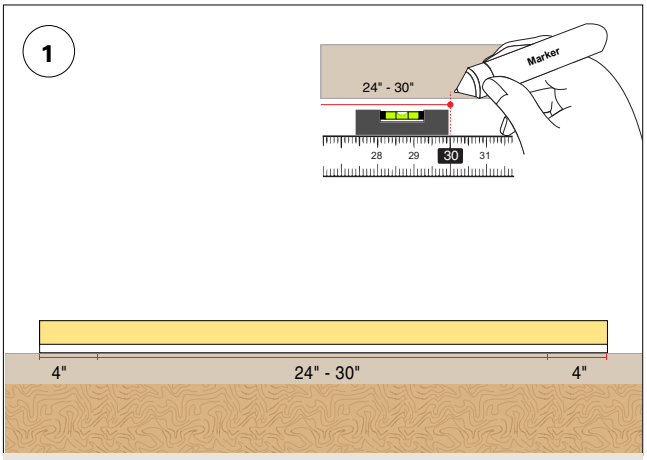

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# ESSENTIALS TRE3

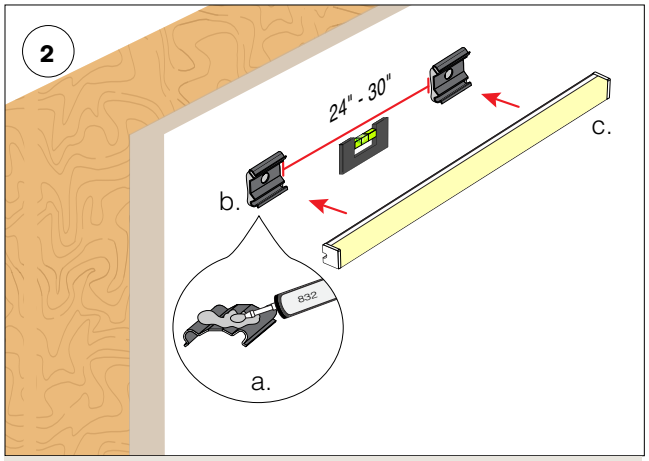
Linear Fixture Installation Instructions

## SURFACE MOUNTING METHOD: **SILICONE**

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




Determine the TRE3 extrusion(s) location and positioning on desired surface; evenly distribute clips. Make any necessary reference markings to indicate where each clip is to be secured in place. Recommended every 24" - 30".

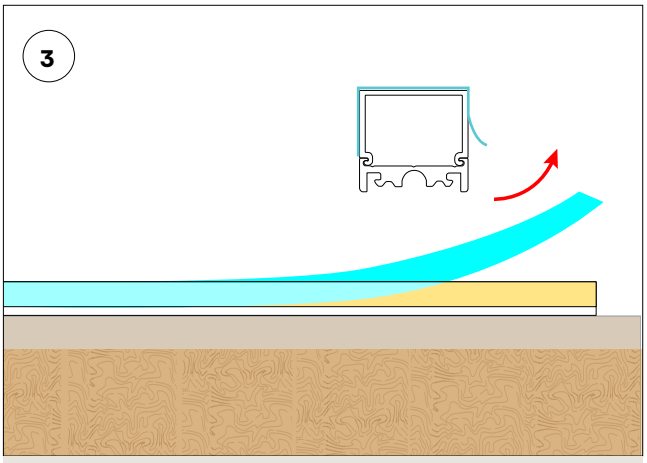



a. Firmly press the silicone-coated clips on the marked reference points.

b. Wait for silicone adhesive to cure completely before snapping extrusion into place.

c. Snap extrusion onto clips.

**NOTE:** Cure time is dependent on the type of silicone adhesive used. Refer to silicone product manufacturer for accurate drying time.



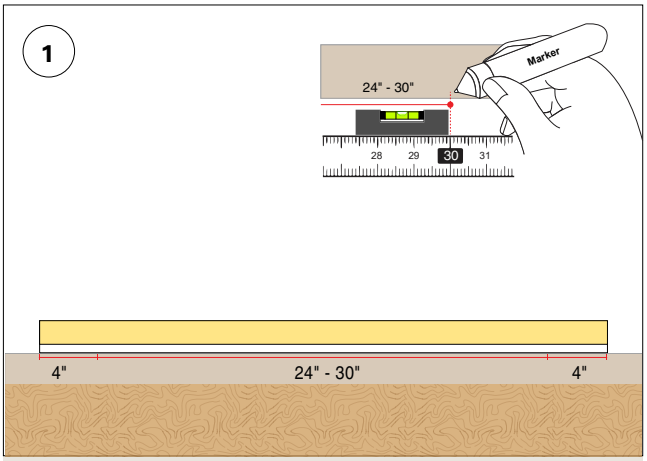

Remove protective film from the surface of the extrusion's lens.



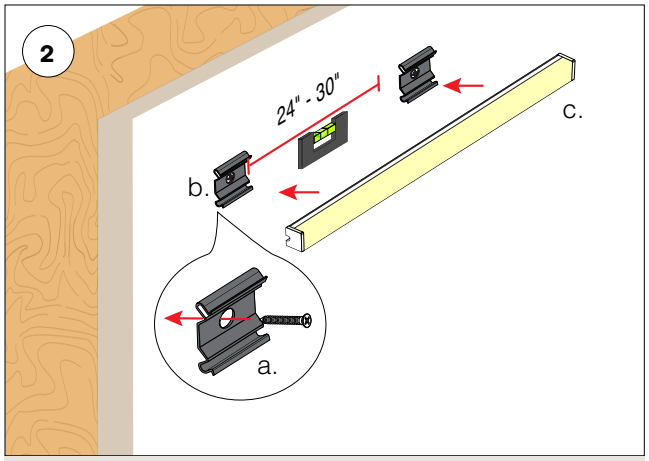
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## SURFACE MOUNTING METHOD: **HIDDEN STAINLESS STEEL CLIPS**

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




Determine the TRE3 extrusion(s) location and positioning on desired surface; evenly distribute clips. Make any necessary reference markings to indicate where each clip is to be secured in place. Recommended every 24" - 30".

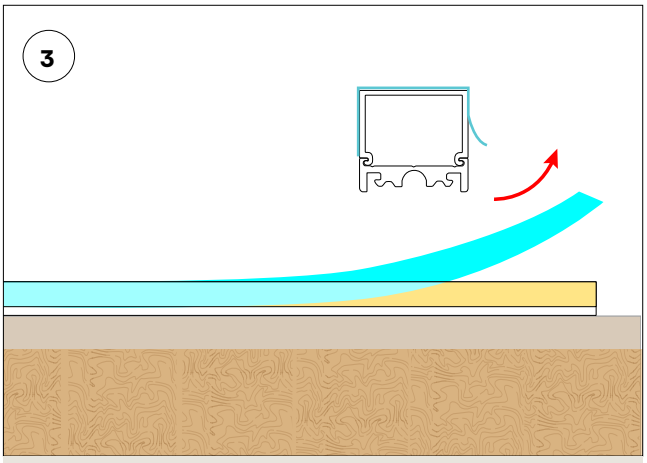



**a.** Secure clips using the #4 flat head hardware provided.

**b.** Ensure the screw head is flush with the clip's base.

**c.** Snap extrusion onto clips.

**NOTE:** Flat head screw type is dependent on surface/application material. Alternative flat head screws may be required. Refer to the surface material manufacturer for suggested screw type.



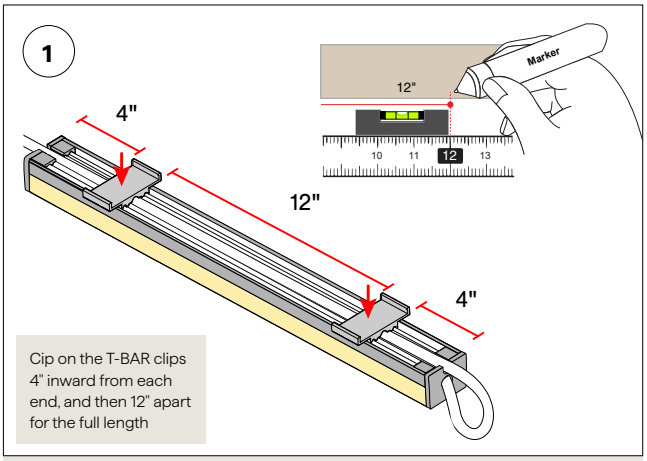

Remove protective film from the surface of the extrusion's lens.



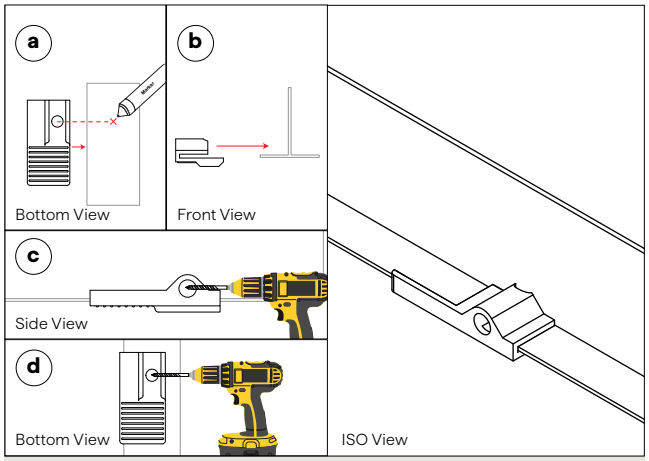

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## SURFACE MOUNTING METHOD: **PLASTIC T-BAR CLIPS**

- 2 Clips provided per first 12", 1 clip provided per additional foot.



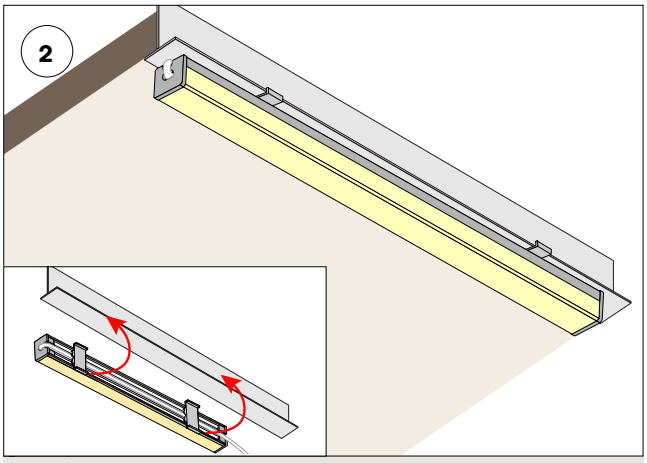

Determine the TRE3 extrusion(s) location and positioning on desired surface; evenly distribute clips. Make any necessary reference markings to indicate where each clip is to be secured in place. Recommended every 12".



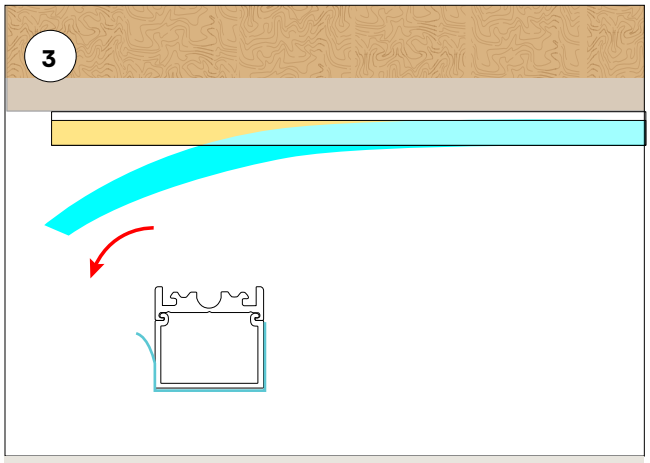

**OPTIONAL - REQUIRED FOR S2/P2**

Use provided jig to drill a hole in the t-bar ceiling grid, which will allow the wire to feed into the ceiling.

- **a.** Mark where wire will go through the T-Bar.
- **b.** Slide T-Bar Drill jig over T-Bar.
- **c.** Using a 3-16" Drill bit drill through the side hole.
- **d.** Then using a 3-16" Drill bit drill through the bottom hole.




Snap extrusion onto T-BAR.




Remove protective film from the surface of the extrusion's lens.




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# ESSENTIALS TRE3-FLAT-SW(01))

Linear Fixtures Color Data

## TR1SW-1.5-35-DRY-STD-DF

3490 K

**CRI:** 97.4

**CRI R9:** 96.2

**TM30 Rf:** 93.0

**TM30 Rg:** 100.5

**CQS:** 95.8

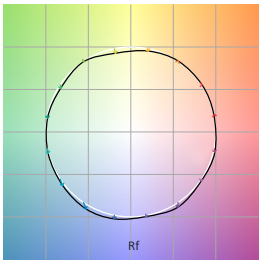
**X:** 0.403

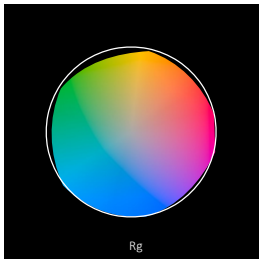
**Y:** 0.382

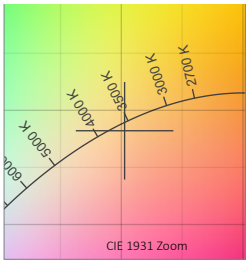
**U:** 0.238

**V:** 0.338

**Δuv:** -0.0032




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 96.7 | 97.8 | 97.9 | 99.0 | 97.1 | 95.5 | 97.6 | 97.7 | 96.2 | 97.7 | 97.2 | 78.9 | 96.7 | 97.9 | 95.7 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 93.8 | 98.6 | 91.5 | 91.1 | 94.4 | 98.0 | 97.2 | 98.3 | 98.5 | 98.5 | 98.4 | 99.1 | 99.3 | 97.1 | 96.2 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 94.9 | 96.9 | 96.3 | 93.7 | 92.2 | 97.0 | 93.2 | 95.3 | 91.7 | 88.5 | 88.5 | 92.2 | 95.5 | 92.9 | 91.4 | 91.0 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 95 | 0% | 1% |
| 2 | 97 | 0% | 0% |
| 3 | 96 | 0% | 0% |
| 4 | 94 | -3% | -2% |
| 5 | 92 | -6% | 0% |
| 6 | 97 | 0% | 1% |
| 7 | 93 | -3% | 4% |
| 8 | 95 | -1% | 3% |
| 9 | 92 | 0% | 6% |
| 10 | 88 | 2% | 8% |
| 11 | 89 | 5% | 7% |
| 12 | 92 | 4% | 1% |
| 13 | 96 | 1% | -3% |
| 14 | 93 | 4% | -3% |
| 15 | 91 | 1% | -2% |
| 16 | 91 | 2% | -4% |

## TR1SW-3.0-30-DRY-STD-DF

3140 K

**CRI:** 97.4

**CRI R9:** 96.0

**TM30 Rf:** 95.0

**TM30 Rg:** 101.5

**CQS:** 96.0

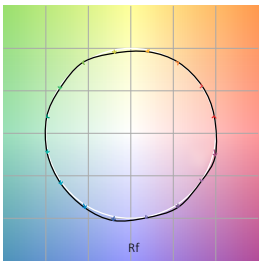
**X:** 0.425

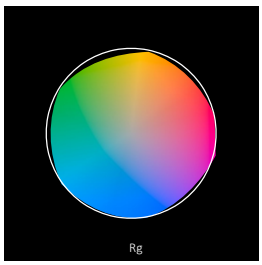
**Y:** 0.395

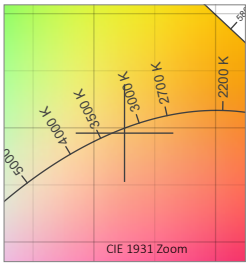
**U:** 0.247

**V:** 0.344

**Δuv:** -0.0018




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 96.3 | 98.3 | 97.2 | 97.0 | 96.9 | 96.3 | 99.1 | 97.9 | 96.0 | 98.2 | 94.4 | 85.5 | 96.5 | 97.4 | 96.5 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 94.4 | 97.3 | 93.1 | 94.2 | 96.7 | 97.9 | 95.9 | 97.9 | 97.3 | 97.8 | 98.4 | 97.7 | 97.8 | 96.2 | 95.7 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 96.6 | 97.6 | 96.7 | 95.6 | 94.4 | 97.1 | 93.6 | 97.8 | 94.7 | 92.7 | 92.6 | 93.1 | 96.0 | 94.4 | 93.4 | 91.7 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 97 | 0% | 1% |
| 2 | 98 | 1% | -1% |
| 3 | 97 | 0% | 0% |
| 4 | 96 | -2% | -2% |
| 5 | 94 | -4% | 0% |
| 6 | 97 | 1% | 1% |
| 7 | 94 | -1% | 3% |
| 8 | 98 | 1% | 1% |
| 9 | 95 | 1% | 4% |
| 10 | 93 | 1% | 4% |
| 11 | 93 | 3% | 4% |
| 12 | 93 | 5% | 0% |
| 13 | 96 | 1% | -2% |
| 14 | 94 | 3% | -3% |
| 15 | 93 | 0% | -1% |
| 16 | 92 | 3% | -6% |

## TR1SW-3.0-35-DRY-STD-DF

3516 K

**CRI:** 97.8

**CRI R9:** 97.7

**TM30 Rf:** 93.1

**TM30 Rg:** 100.3

**CQS:** 95.6

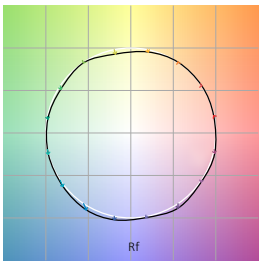
**X:** 0.402

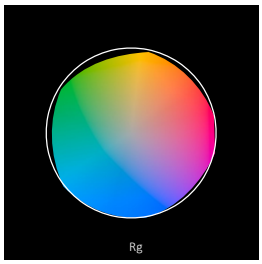
**Y:** 0.383

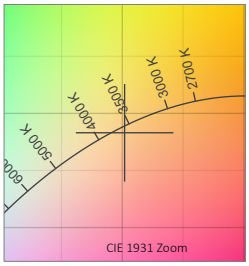
**U:** 0.237

**V:** 0.338

**Δuv:** -0.0027




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 97.4 | 98.4 | 97.4 | 99.3 | 97.6 | 96.2 | 97.8 | 98.0 | 97.7 | 99.0 | 98.0 | 79.0 | 97.5 | 97.6 | 96.3 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 94.0 | 98.6 | 91.3 | 90.7 | 94.1 | 97.4 | 97.1 | 98.2 | 98.3 | 98.2 | 98.0 | 98.9 | 99.3 | 97.4 | 96.4 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 95.0 | 97.0 | 96.4 | 93.9 | 92.3 | 97.1 | 93.3 | 95.3 | 91.8 | 88.3 | 88.5 | 92.3 | 95.7 | 92.9 | 91.6 | 91.1 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 95 | 0% | 1% |
| 2 | 97 | 0% | 0% |
| 3 | 96 | 0% | 0% |
| 4 | 94 | -3% | -2% |
| 5 | 92 | -5% | 0% |
| 6 | 97 | 0% | 1% |
| 7 | 93 | -3% | 3% |
| 8 | 95 | -1% | 3% |
| 9 | 92 | 0% | 6% |
| 10 | 88 | 1% | 8% |
| 11 | 88 | 4% | 7% |
| 12 | 92 | 4% | 1% |
| 13 | 96 | 1% | -2% |
| 14 | 93 | 4% | -3% |
| 15 | 92 | 1% | -2% |
| 16 | 91 | 2% | -4% |

**NOTES:**
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-03-05-24

# ESSENTIALS TRE3-FLAT-SW(01))

Linear Fixtures Color Data

## TR1SW-4.0-30-DRY-STD-DF

3078 K

**CRI:** 97.9

**CRI R9:** 98.4

**TM30 Rf:** 94.3

**TM30 Rg:** 100.9

**CQS:** 95.6

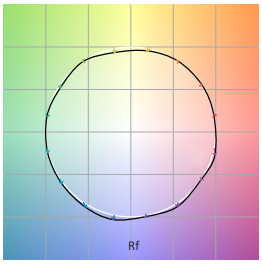
**X:** 0.430

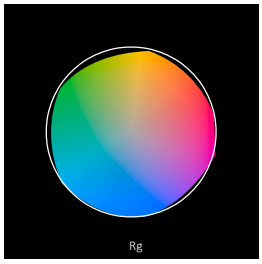
**Y:** 0.399

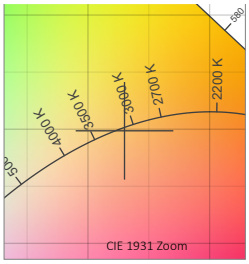
**U:** 0.248

**V:** 0.345

**Δuv:** -0.0012




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 97.3 | 98.8 | 97.1 | 98.2 | 97.9 | 96.7 | 98.5 | 98.6 | 98.4 | 99.5 | 95.8 | 83.7 | 97.4 | 97.3 | 97.7 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 93.4 | 96.9 | 92.5 | 93.0 | 95.5 | 98.3 | 95.9 | 97.5 | 97.3 | 97.6 | 98.3 | 97.9 | 97.9 | 96.1 | 95.5 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 96.1 | 97.7 | 96.7 | 94.9 | 93.7 | 97.2 | 93.1 | 97.7 | 93.7 | 91.1 | 91.4 | 92.3 | 95.4 | 93.4 | 92.5 | 90.7 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 96 | 0% | 1% |
| 2 | 98 | 0% | 0% |
| 3 | 97 | 0% | 0% |
| 4 | 95 | -2% | -2% |
| 5 | 94 | -5% | 0% |
| 6 | 97 | 0% | 1% |
| 7 | 93 | -2% | 3% |
| 8 | 98 | 0% | 1% |
| 9 | 94 | 1% | 4% |
| 10 | 91 | 1% | 5% |
| 11 | 91 | 3% | 5% |
| 12 | 92 | 5% | 0% |
| 13 | 95 | 1% | -3% |
| 14 | 93 | 4% | -4% |
| 15 | 92 | 0% | -1% |
| 16 | 91 | 2% | -7% |

## TR1SW-4.0-35-DRY-STD-DF

3513 K

**CRI:** 97.8

**CRI R9:** 98.2

**TM30 Rf:** 93.1

**TM30 Rg:** 100.3

**CQS:** 95.6

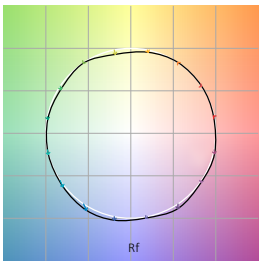
**X:** 0.402

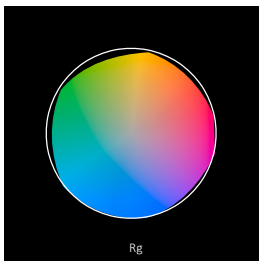
**Y:** 0.383

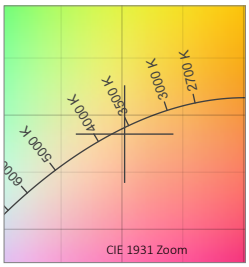
**U:** 0.237

**V:** 0.338

**Δuv:** -0.0026




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 97.7 | 98.6 | 97.6 | 99.3 | 97.7 | 96.1 | 97.6 | 97.9 | 98.2 | 99.1 | 97.9 | 78.7 | 97.9 | 97.8 | 96.9 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 94.0 | 98.6 | 91.1 | 90.7 | 94.2 | 97.6 | 97.0 | 98.1 | 98.5 | 98.2 | 98.0 | 98.7 | 99.0 | 97.4 | 96.5 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 95.0 | 97.1 | 96.2 | 94.0 | 92.4 | 97.2 | 93.4 | 95.4 | 91.9 | 88.4 | 88.4 | 92.1 | 95.5 | 92.6 | 91.4 | 91.0 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 95 | -1% | 1% |
| 2 | 97 | 0% | 0% |
| 3 | 96 | 0% | 0% |
| 4 | 94 | -3% | -1% |
| 5 | 92 | -5% | 0% |
| 6 | 97 | 0% | 1% |
| 7 | 93 | -3% | 3% |
| 8 | 95 | -1% | 3% |
| 9 | 92 | 0% | 6% |
| 10 | 88 | 1% | 8% |
| 11 | 88 | 4% | 7% |
| 12 | 92 | 4% | 1% |
| 13 | 96 | 1% | -3% |
| 14 | 93 | 4% | -3% |
| 15 | 91 | 1% | -2% |
| 16 | 91 | 1% | -4% |

**NOTES:**
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-03-05-24

# ESSENTIALS TRE3-FLAT-SW(01))

Linear Fixtures Color Data

## TR1SW-5.0-30-DRY-STD-DF

3113 K

**CRI:** 97.9

**CRI R9:** 98.6

**TM30 Rf:** 94.6

**TM30 Rg:** 101.3

**CQS:** 95.7

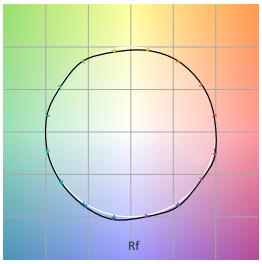
**X:** 0.427

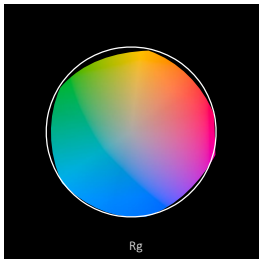
**Y:** 0.397

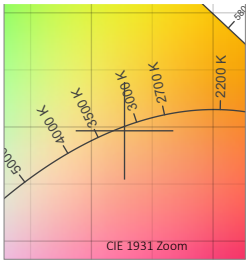
**U:** 0.247

**V:** 0.345

**Δuv:** -0.0016




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 97.2 | 98.8 | 96.9 | 97.9 | 97.8 | 96.7 | 98.9 | 98.9 | 98.6 | 99.3 | 95.5 | 84.2 | 97.3 | 97.2 | 97.5 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 94.1 | 97.2 | 92.2 | 93.0 | 96.0 | 98.1 | 95.5 | 97.3 | 97.2 | 97.4 | 98.1 | 98.2 | 98.2 | 96.2 | 95.8 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 96.4 | 97.8 | 96.8 | 95.4 | 94.0 | 97.1 | 93.5 | 98.0 | 94.3 | 91.7 | 91.6 | 92.5 | 95.7 | 93.6 | 92.9 | 90.8 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 96 | 0% | 1% |
| 2 | 98 | 0% | 0% |
| 3 | 97 | 0% | 0% |
| 4 | 95 | -2% | -1% |
| 5 | 94 | -4% | 1% |
| 6 | 97 | 1% | 1% |
| 7 | 93 | -2% | 3% |
| 8 | 98 | 0% | 1% |
| 9 | 94 | 1% | 4% |
| 10 | 92 | 1% | 5% |
| 11 | 92 | 3% | 5% |
| 12 | 93 | 5% | 0% |
| 13 | 96 | 1% | -3% |
| 14 | 94 | 4% | -3% |
| 15 | 93 | 0% | -1% |
| 16 | 91 | 3% | -7% |

## TR1SW-5.0-35-DRY-STD-DF

3525 K

**CRI:** 98.1

**CRI R9:** 97.2

**TM30 Rf:** 93.4

**TM30 Rg:** 100.5

**CQS:** 95.6

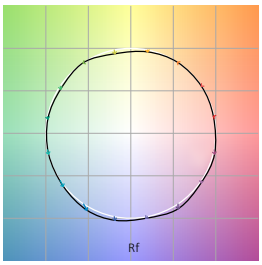
**X:** 0.402

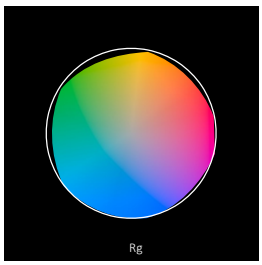
**Y:** 0.384

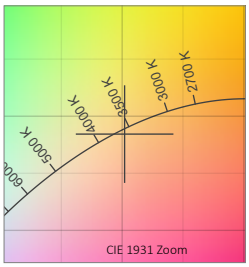
**U:** 0.236

**V:** 0.339

**Δuv:** -0.0021




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98.4 | 99.3 | 96.8 | 99.4 | 98.2 | 96.5 | 98.2 | 98.2 | 97.2 | 98.1 | 97.8 | 79.0 | 98.8 | 97.3 | 97.6 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 94.8 | 98.9 | 90.6 | 90.5 | 94.5 | 97.6 | 96.4 | 98.0 | 98.1 | 97.5 | 97.5 | 98.5 | 99.0 | 97.8 | 97.0 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 95.3 | 97.3 | 96.1 | 94.4 | 92.8 | 97.2 | 94.2 | 96.1 | 92.7 | 88.8 | 88.2 | 92.0 | 95.8 | 92.6 | 91.8 | 91.1 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 95 | -1% | 1% |
| 2 | 97 | 0% | 0% |
| 3 | 96 | 0% | 1% |
| 4 | 94 | -2% | -1% |
| 5 | 93 | -5% | 0% |
| 6 | 97 | 0% | 1% |
| 7 | 94 | -2% | 2% |
| 8 | 96 | -1% | 2% |
| 9 | 93 | 0% | 5% |
| 10 | 89 | 1% | 8% |
| 11 | 88 | 4% | 7% |
| 12 | 92 | 4% | 2% |
| 13 | 96 | 2% | -2% |
| 14 | 93 | 5% | -3% |
| 15 | 92 | 1% | -3% |
| 16 | 91 | 1% | -5% |

**NOTES:**
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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# ESSENTIALS TRE3-FLAT-SW-HE(01)

Linear Fixtures Color Data

## TR1SW-6.0HE-30-DRY-STD-DF

3073 K

**CRI:** 98.1

**CRI R9:** 96.5

**TM30 Rf:** 94.2

**TM30 Rg:** 100.7

**CQS:** 95.5

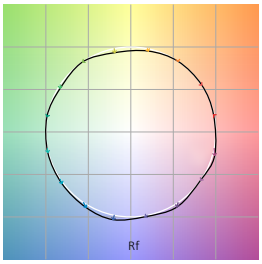
**X:** 0.431

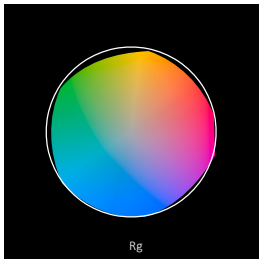
**Y:** 0.400

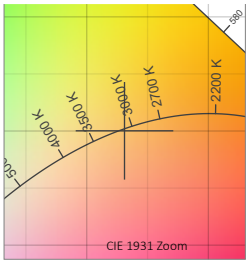
**U:** 0.248

**V:** 0.346

**Δuv:** -0.0007




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 97.9 | 99.3 | 97.0 | 98.6 | 98.4 | 97.1 | 98.4 | 98.3 | 96.5 | 99.5 | 96.2 | 83.2 | 98.1 | 97.3 | 98.2 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 93.2 | 96.8 | 92.3 | 92.8 | 95.5 | 98.2 | 96.0 | 97.5 | 97.4 | 97.6 | 98.3 | 97.8 | 98.0 | 96.3 | 95.4 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 96.0 | 97.8 | 96.8 | 94.8 | 93.6 | 97.2 | 93.1 | 97.5 | 93.6 | 90.9 | 91.2 | 92.1 | 95.2 | 93.0 | 92.2 | 90.2 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 96 | -1% | 1% |
| 2 | 98 | 0% | 0% |
| 3 | 97 | 0% | 0% |
| 4 | 95 | -3% | -2% |
| 5 | 94 | -5% | 0% |
| 6 | 97 | 0% | 1% |
| 7 | 93 | -2% | 3% |
| 8 | 98 | 0% | 1% |
| 9 | 94 | 1% | 5% |
| 10 | 91 | 1% | 5% |
| 11 | 91 | 3% | 5% |
| 12 | 92 | 5% | 0% |
| 13 | 95 | 1% | -3% |
| 14 | 93 | 4% | -4% |
| 15 | 92 | 0% | -1% |
| 16 | 90 | 2% | -8% |

**NOTES:**
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-03-05-24

# ESSENTIALS TRE3-FLAT-SW-HE+(01)

Linear Fixtures Color Data

## TR1SW-3.0HE+-30-DRY-STD-DF

2982 K

**CRI:** 92.6

**CRI R9:** 66.9

**TM30 Rf:** 91.2

**TM30 Rg:** 100.7

**CQS:** 90.4

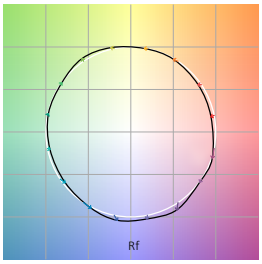
**X:** 0.439

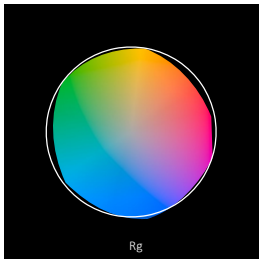
**Y:** 0.405

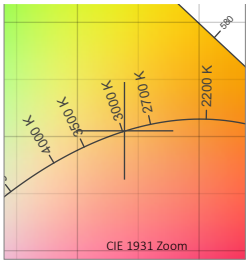
**U:** 0.251

**V:** 0.348

**Δuv:** 0.0002




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 93.1 | 94.5 | 94.4 | 93.4 | 91.9 | 92.3 | 94.5 | 86.3 | 66.9 | 86.0 | 93.4 | 74.9 | 93.3 | 96.0 | 90.3 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 90.7 | 97.2 | 85.3 | 86.3 | 90.3 | 90.0 | 88.7 | 92.1 | 96.4 | 92.1 | 92.1 | 92.5 | 93.0 | 88.9 | 89.3 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 92.1 | 92.8 | 88.6 | 92.1 | 93.6 | 93.9 | 93.3 | 96.4 | 94.4 | 88.8 | 85.5 | 88.3 | 93.4 | 89.2 | 93.3 | 86.0 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 92 | -4% | -1% |
| 2 | 93 | -3% | 2% |
| 3 | 89 | -1% | 6% |
| 4 | 92 | -1% | 3% |
| 5 | 94 | 2% | 4% |
| 6 | 94 | 4% | 0% |
| 7 | 93 | 0% | -3% |
| 8 | 96 | -1% | -2% |
| 9 | 94 | -3% | 1% |
| 10 | 89 | -3% | 7% |
| 11 | 86 | 1% | 11% |
| 12 | 88 | 5% | 5% |
| 13 | 93 | 4% | -1% |
| 14 | 89 | 6% | -6% |
| 15 | 93 | 0% | -4% |
| 16 | 86 | 0% | -11% |

**NOTES:**
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- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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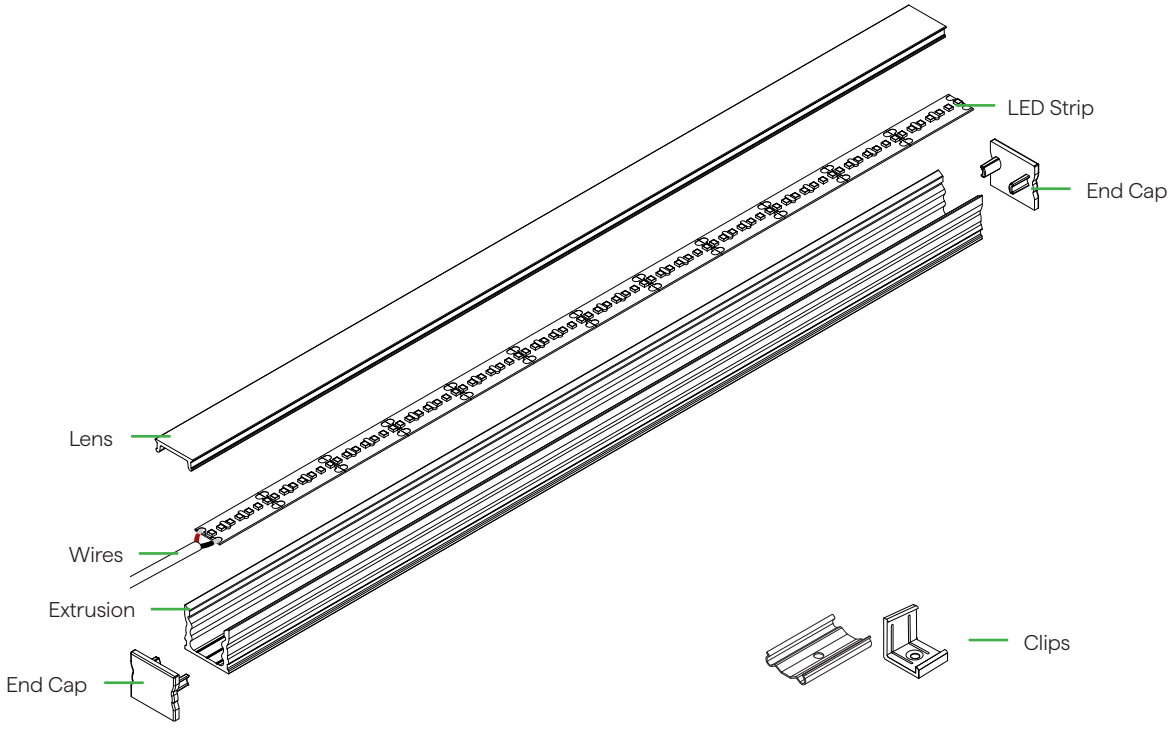
Specification subject to change. Rev-03-05-24

# MATERIAL RECYCLING

LINEAR FIXTURES/EXTRUSIONS

You may be done with your products, but chances are they still have more to give. Follow these instructions to break down and sort recyclable components. Check with local recycling collection to ensure they accept the materials listed below.

Additionally, Q-Tran offers a Takeback Program. Contact factory for information.




| 7 | E | 41 | 40 |
|---|---|---|---|
| Lens<br>Plastic End Caps<br>Plastic Clips | LED Strip<br>Wires | Extrusion<br>Metal End Caps | Stainless Steel Clips |

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