

For the latest product updates, specifications, troubleshooting, product handling, installation, and integration advisories, visit [www.evo-lite.com](http://www.evo-lite.com).



### ELECTRICAL

Input Voltage	24V DC – Constant Voltage
Power Consumption	86W per Array, 1.34W per bar, 0.083W per LED**
Wires	18AWG 3 conductor (black wire positive, yellow wire (2700K), white wire (6500K))
Connector	Stripped wire ends are 12" (304.8mm) in length x 4
Certification	IP65, cULus Listed (E495221), CE Compliant (EMC and LVD), and RoHS Certified

### PHYSICAL

Color Temperature	2700K – 6500K Tunable White
CRI	92+ for 2700K, 95+ for 6500K
Light Output	Up to 147 lumens per bar and 9,408 lumens per Array
Mounting	Direct install with mechanical fasteners through included wire clips. Use the recommended Rail Mounting Kit (sold separately) to improve accuracy, shorten installation time, and reduce labor.
Operating Temp.	-22°F ~ +158°F (-30C ~ +70C)
Environment	Wet location (IP65 Rated)
Coverage	Up to 16ft² (1.486m²) per Class 2 guidelines, 0.065ft² (0.006m²) per bar
Cutting Increment	Snappable segments every 0.83" / 0.67" (21mm / 17mm), see page 2.
TRAX Dimensions	24" x 96" (609.6mm x 2438.4mm)
Bar Dimensions	24" wide by 0.375" tall (609.6mm x 9.53mm)
LED Quantity/Density	32 LEDs per bar, 2048 LEDs per Array
Bar Count	64 bars per Array
Bar Spacing	1.5" (38.1mm) on center
Weight	3.97lb per Array (1.8kg)
Customization Options Available	Voltage, color temperature, IP Rating, LED pitch/placement, LED bar length/spacing/PCB material, pre-mounted layouts, wattage, lumens/brightness. Contact Evo-Lite for more information.

**\*\* PROPORTIONAL BALANCING CONTROL REQUIRED TO MAINTAIN 86W POWER CONSUMPTION PER TRAX ARRAY. REFER TO PRODUCT WIRING & CONTROL ADVISORY FOR MORE DETAILS.**

### PACKING

Each Tunable White TRAX Array (A) comes sized 24" by 96" with 64 LED bars pre-mounted and pre-wired to wire mounting clips with adhesive backing. Includes 3 wago connectors (B). TRAX is sold as single Arrays and cartons of 10.



### OPTIONAL ACCESSORIES (SOLD SEPARATELY)

#### RAIL MOUNTING KIT // ITEM #: TX1-M-RMK Strongly recommended - see RMK spec sheet

Each Rail Mounting Kit (RMK) comes with 8 white aluminum 24" Mounting Rails (C), 6 Rail To Rail Connectors (D), 16 Rail Mounting Clips (E), and 4 Rail End Mounting Clips (F).

#### STANDARD BAR RETENTION CLIPS // ITEM #: TX1-BRC-STD-10

Standard Bar Retention Clips (G) are sold in bags of 10. Use to add extra support to LED bar when not using the Rail Mounting Kit, primarily when LED bars are shortened. See instructions.

#### DEEP BAR RETENTION CLIPS // ITEM #: TX1-BRC-RMK-10

Deep Bar Retention Clips (H) are sold in bags of 10. Use to add extra support to LED bar when using the Rail Mounting Kit, primarily when LED bars are shortened. See instructions.

### FEATURES

Field Customizable	TRAX Array and bar lengths customizable by cutting or snapping. Maintains UL Listing when cut*
Unique Power Distribution Grid	Single LEDs or groups may be removed from any part of TRAX LED bar
PCB Construction	Double FR4 PCB - flame resistant glass-reinforced epoxy laminate
Consistent Light Quality	Tight ANSI bin control LEDs
Energy Efficiency	109 lumens per watt
Long Lifespan	50,000+ hours
Advanced 5-Year Warranty	Included. See bottom of next page for details.
Full Integration Support	Included

**\*NEVER CUT OR MODIFY PRODUCT WHILE POWERED.**

### POWER & CONTROLS

Compatible with full range (100%-0%), flicker-free power and control components. Quality tested for low end light output consistency across all LEDs. Please contact Evo-Lite for optimal solutions to fit your requirements.

### PRODUCT WIRING & CONTROL ADVISORY

- The TRAX system's integrated bar to wire connectors have a 4A capacity. Do not exceed the load capacity of these connection blocks in any configuration.
- Our tunable white LEDs utilize separate warm and cool white channels for color mixing. 3rd party controls must account for proportional balancing of the two channels. Example: If Warm White = 100% ON then Cool White = OFF. If Warm White = 25% ON, then Cool White = 75% ON.**
- Allowing both channels to operate at 100% will double power consumption to 170 watts per Array, resulting in loss of Class 2 compliance.**
- To retain Class 2 compliance per UL regulation use one 96W 24V Class 2, LPS, or LVLE power supply / channel per TRAX Array (86W). Best practices include allowing headroom for power supply longevity.

PART	QTY	ITEM #	TRAX TUNABLE WHITE
A	1	TX1-24-TW	TRAX Array (24" x 96" / 609.6mm x 2438.4mm) with 64 LED bars each pre-wired and pre-mounted to wire mounting clips
B	3	-	Wago same polarity, two port splicing connectors
PART	QTY	ITEM #	RAIL MOUNTING KIT (SOLD SEPARATELY: TX1-M-RMK)
C	8	TX1-M-AR-24	24" Mounting Rails. Combine to create two 8 foot sections
D	6	TX1-M-AR-RC	Rail To Rail Connectors
E	16	TX1-M-AR-MC	Rail Mounting Clips
F	4	TX1-M-AR-EMC	Rail End Mounting Clips
PART	QTY	ITEM #	STANDARD BAR RETENTION CLIPS (SOLD SEPARATELY)
G	10	TX1-BRC-STD-10	Standard Bar Retention Clips
PART	QTY	ITEM #	DEEP BAR RETENTION CLIPS (SOLD SEPARATELY)
H	10	TX1-BRC-RMK-10	Deep Bar Retention Clips for use with the Rail Mounting Kit

### SUPPLEMENTARY ACCESSORIES

#### POWER & CONTROLS

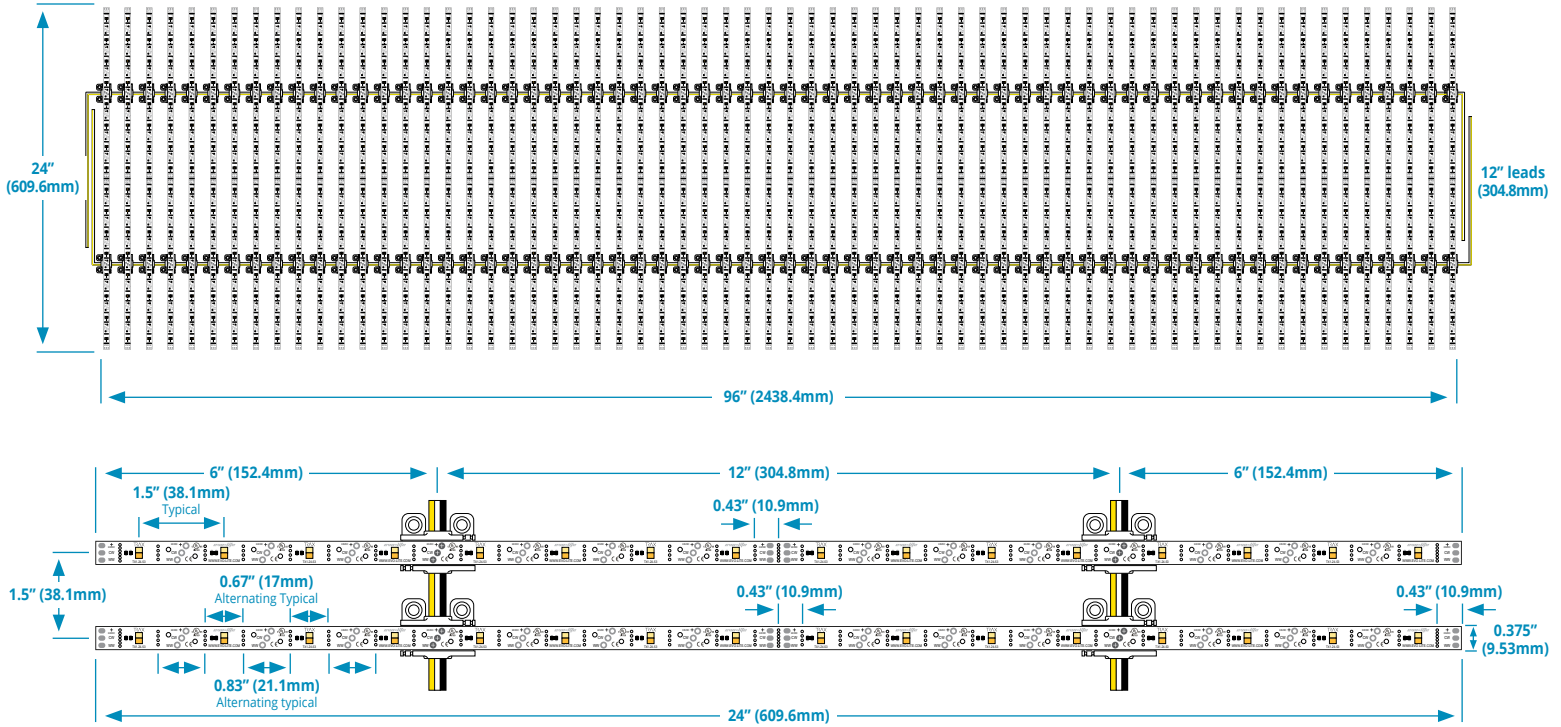
Evo-Lite offers a variety of compatible power and control options for our lighting products. Please contact Evo-Lite to explore the appropriate components for your installation.

#### ADDITIONAL WIRE // ITEM #: 14-3-19-CMP

14AWG, 3 conductor, CMP Rated wire (plenum rated). Sold by the foot.

TRAX TUNABLE WHITE

Overall TRAX Array Size: 24" x 96" (609.6mm x 2438.4mm). Not to scale.



SPECIFYING TRAX

TUNABLE WHITE (TW, NON-LENSED)

ITEM NUMBER	DESCRIPTION
TX1-24-TW	2700K – 6500K Tunable White

OTHER AVAILABLE OPTIONS

DYNAMIC COLOR (RGBW, NON-LENSED)

ITEM NUMBER	DESCRIPTION
TX1-24-RGBW	RGB + 5300K White

SINGLE COLOR WHITE (SCW, NON-LENSED)

ITEM NUMBER	DESCRIPTION
TX1-24-27	2700K
TX1-24-30	3000K
TX1-24-35	3500K
TX1-24-41	4100K
TX1-24-53	5300K

SINGLE COLOR WHITE WITH LENS (SCWWL)

ITEM NUMBER	DESCRIPTION
TX1-24-27-L175	2700K with 175° lens
TX1-24-30-L175	3000K with 175° lens
TX1-24-35-L175	3500K with 175° lens
TX1-24-41-L175	4100K with 175° lens
TX1-24-53-L175	5300K with 175° lens

TRAX CUSTOMIZATION OPTIONS

Evo-Lite can customize TRAX to meet your exact specifications while maintaining the UL Listing. Minimum order quantities apply.

CUSTOMIZE:

- Voltage
- Specific color temperatures
- IP Rating
- LED pitch and placement
- Bar length, spacing, and PCB material type
- Pre-mounted to quick install substrates
- Wattage / energy-efficiency
- Lumens / brightness

Contact Evo-Lite with customization requests.

This specifications sheet is specifically designed for TRAX Tunable White.

Please consult our other specification sheets for TRAX Single Color White, RGBW, and Single Color White With Lens.

This product comes with an advanced 5-year warranty. Please review section 19 of Terms & Conditions of Sale at [evo-lite.com/legal-documents/#TermsSale](http://evo-lite.com/legal-documents/#TermsSale)