

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, 2.69W per bar, 0.336W per LED
Wires	18AWG 2 conductor, (grey stripe wire positive, white wire negative)
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

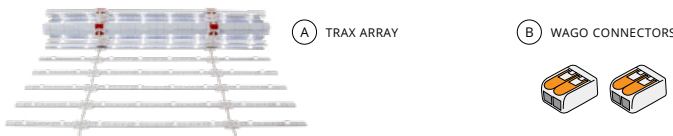
## PHYSICAL

Color Temperature	2700K, 3000K, 3500K, 4000K, 5300K
CRI	92+ for 2700K, 95+ for 3000K, 3500K, 4000K, 5300K
Light Output	Up to 212 lumens per bar and 6,784 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.	-13°F to 140°F (-25°C to 60°C)
Working Temp.	95°F (35°C)
Surface Temp.	LED: 104°F (40°C), PCB: 90°F (32°C), Resistor: 93°F (34°C) (Measurements taken at ≥ 2 hours of operation)
Environment	Wet location (IP65 Rated)
Coverage	Up to 16ft <sup>2</sup> (1.486m <sup>2</sup> ) per Class 2 guidelines, 0.098ft <sup>2</sup> (0.009m <sup>2</sup> ) per bar
Cutting Increment	Snappable segments every 1.5" (38.1mm), see page 2.
TRAX Dimensions	24" x 96" (609.6mm x 2438.4mm) (Nominal)
Bar Dimensions	24" wide by 0.56" tall (609.6mm x 14.2mm)
LED Quantity/Density	8 LEDs per bar, 256 LEDs per Array
Bar Count	32 bars per Array
Bar Spacing	3" (76.2mm) on center
Weight	3.53lb per Array (1.6kg)
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.

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

## PACKING

Each 24" x 96" Single Color White With Lens TRAX (A) includes 2 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-15

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-15

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 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
PCB Construction	Double FR4 PCB - flame resistant glass-reinforced epoxy laminate
Consistent Light Quality	Tight ANSI bin control LEDs
Energy Efficiency	80 lumens per watt
Long Lifespan	50,000+ hours
Advanced 5-Year Warranty	Included. See bottom of next page for details.
Full Integration Support	Included

## POWER & CONTROLS

Compatible with all control protocols via associated 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.
- To retain Class 2 compliance per UL regulation use one 96W 24V Class 2, LPS, or LVLE power supply / channel per TRAX (86W). Best practices include allowing headroom for power supply longevity.

PART	QTY	ITEM #	TRAX SINGLE COLOR WHITE WITH LENS
A	1	TX1-24-XX-L175	TRAX (24" x 96" / 609.6mm x 2438.4mm) with 32 LED bars each pre-wired and pre-mounted to wire mounting clips
B	2	-	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-15	Standard Bar Retention Clips
PART	QTY	ITEM #	DEEP BAR RETENTION CLIPS (SOLD SEPARATELY)
H	10	TX1-BRC-RMK-15	Deep Bar Retention Clips for use with the Rail Mounting Kit

## OPTIONAL ACCESSORIES

**POWER LINK CABLE (TX1-24-SC-PLC)**  
Use as an array-to-array connection cable or as a power/control input cable.

**TRAX PRECISION SCREWDRIVER (TX1-PSD-PH00)**  
Phillips head screwdriver (#00) for TRAX accessories and LED bars.

**CENTIPEDE CABLE (TX1-24-SCWL-PLC) (TX1-24-SCWL-C)**  
Use to connect and power floating TRAX bars that are not attached to the array's column of wires.

**ADDITIONAL WIRE (14-2-19-CMP)**  
14AWG, 2-conductor, CMP Rated wire (plenum rated). Sold by the foot.

Technical drawing of the 12-lead ECG cable assembly, showing dimensions in inches and millimeters.

**Top View Dimensions:**

- Overall width: 24" (609.6mm)
- Overall length: 96" (2438.4mm)
- Lead spacing: 12" (304.8mm)
- Lead width: 6" (152.4mm)
- Lead width (Typical): 3" (76.2mm)

**Side View Dimensions:**

- Overall height: 3" (76.2mm)
- Lead height: 1.5" (38.1mm) (Typical)
- Lead height: 0.75" (19mm)
- Lead height: 0.56" (14.2mm)

**Front View Dimensions:**

- Overall width: 24" (609.6mm)
- Lead width: 6" (152.4mm)
- Lead width (Typical): 3" (76.2mm)
- Lead width: 0.75" (19mm)
- Lead width: 0.56" (14.2mm)