

Project Details

Name: _____ Location: _____
 Specifier: _____ Date: _____
 Additional Accessories: Rail Mounting Kit Power Link Cable Centipede Cable Precision Screwdriver

Part Number Specification | Single Color White with Lens

Model	Voltage	Color Temperature (check box)	Lensed
TX1 - TRAX Reticular Array	24 - 24VDC Constant Voltage	27 - 2700K	L175 - 175° light dispersing lens
		30 - 3000K	
		35 - 3500K	
		40 - 4000K	
		50 - 5000K	

Example: TX1-24-35-L175. Customizable options available. See last page for full details.



TRAX Reticular Array (TX1)

Reticular Backlighting System

Single Color White with Lens

Product Description: TRAX is the most advanced reticular lighting system ever created. With a product segment best snap-to-size shaping, color clarity, and ease-of-installation, TRAX delivers powerful results for medium to large projects.

Highlights

- 175° lens helps spread out the light for even illumination
- Available in five single color white temperatures
- 95+ CRI produces excellent color clarity
- Ultra bright with up to 6,784 lumens per array
- Cut array to length and/or snap LED bars to-size with tool-free snapping increments between every single LED
- IP65 Rated for use in wet and dry locations
- One array covers 16 square feet
- Built in mounting clips or choose the optional rail mounting kit for ultra-fast installs



Specifications | *Listed per full (24" x 96" nominal) TRAX array.*

Input Voltage	24VDC Constant Voltage
Power Consumption	86 watts per array (5.4W/ft²), 2.7 watts per LED bar, 0.34 watts per LED
Color Temperature	2700K, 3000K, 3500K, 4000K, 5000K
CRI	Up to 95+
Light Output	6,784 lumens per array, 212 lumens per LED bar
Efficiency	80 lumens per watt
LED Information	8 LEDs per LED bar, 256 per array
Wires	18AWG 2-wire: grey striped wire +, white wire -
Connections	Stripped wire ends, 12" length (x4)
Mounting	Integrated wire clips. Optional Rail Mounting Kit.
Operating / Working Temperature	Operating: -13°F to 140°F (-25°C to 60°C), Working: 95°F (35°C)
Surface Temperature	LED: 104°F (40°C), PCB: 90°F (32°C), Resistor: 93°F (34°C) (Measurements taken at ≥ 2 hours of operation)
Environment	IP65 - wet or dry locations
Dimensions	Array: 24" x 96" (610 x 2438mm) (Nominal), LED Bar: 24" x 0.56" (610 x 14.2mm)
Coverage	16ft² per array
Cutting Increments	Snapping segments every 1.5" / 0.67" (38mm), see page 3.
Maximum Run	One full array (86 watts) per 24VDC Class 2 circuit
LED Bar Count / Spacing	32 LED bars per array, spaced 3" (76.2mm) apart on center
Weight	3.53lb per array (1.6kg)
Rated Life	50,000+ hours
Warranty	5-year warranty (view terms online at evo-lite.com/legal-documents , section 19)

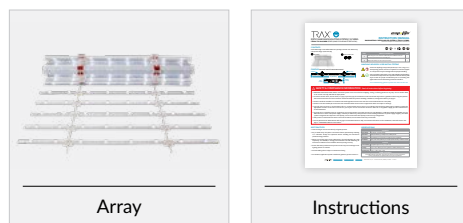
Power & Controls

Compatible with all control protocols via associated power and control components. Quality tested for low-end light output consistency across all LEDs (100-0% dimming with tight ANSI bin control).

Class 2 & UL Compliance

Use Class 2 power supplies with a maximum power output of 96W (per channel/ circuit) to retain UL Class 2 Listing compliance. Best practices include allowing headroom for power supply longevity.

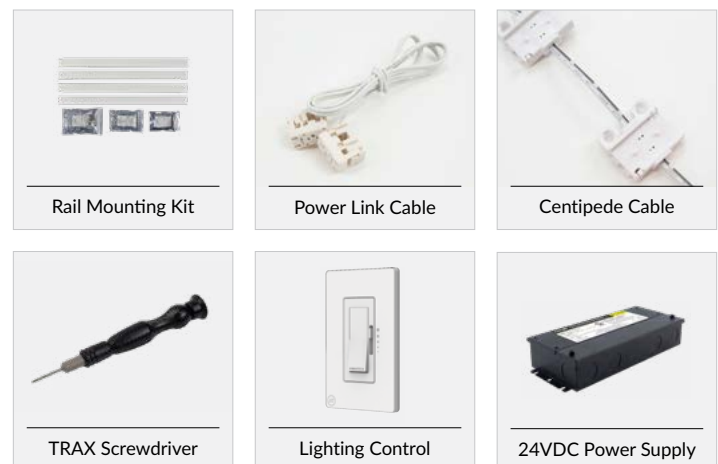
Included With TRAX Array



Array

Instructions

Complete Your System | *View ordering section*



Rail Mounting Kit

Power Link Cable

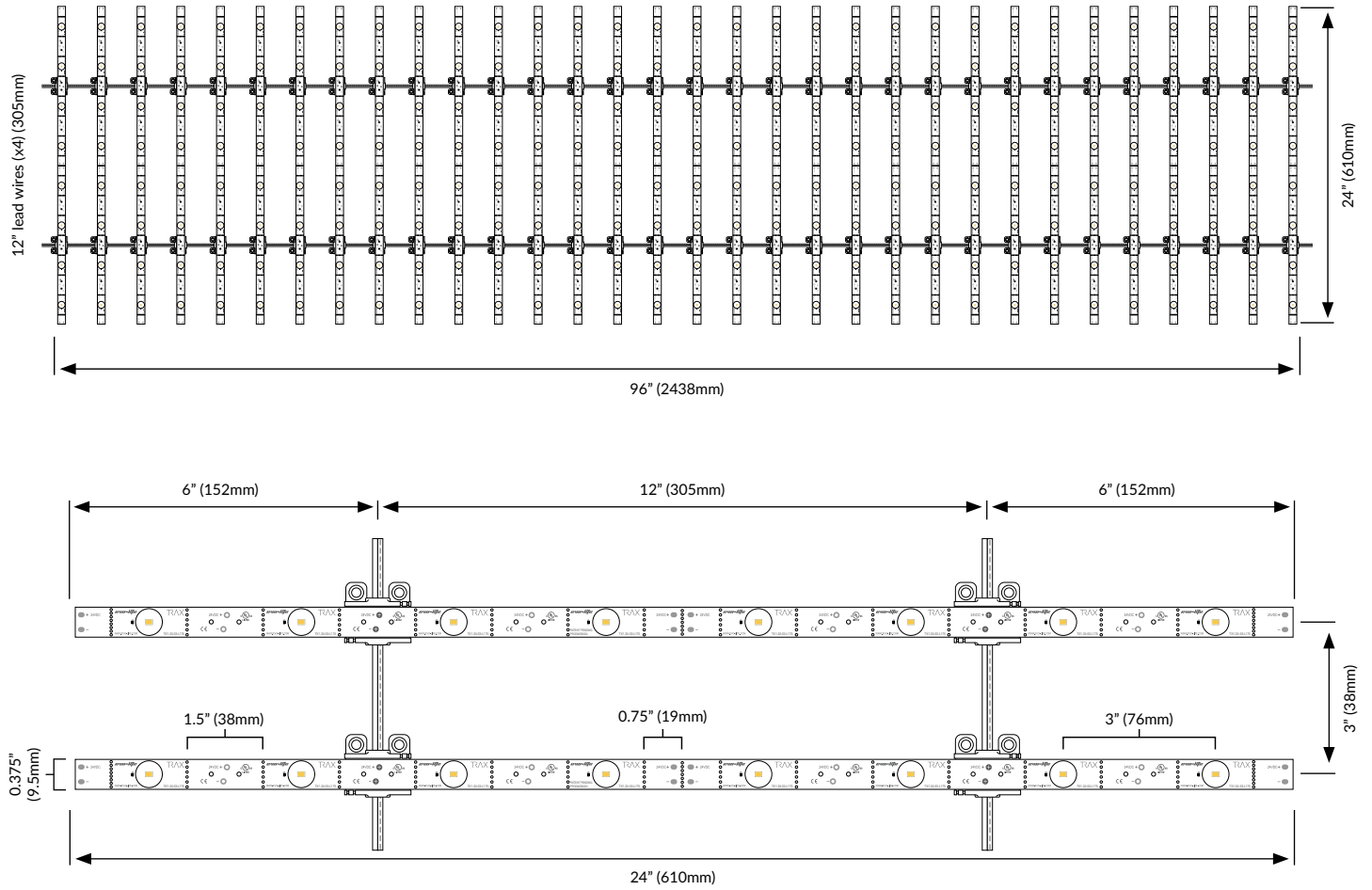
Centipede Cable

TRAX Screwdriver

Lighting Control

24VDC Power Supply

Technical Drawings



Ordering | Single Color White with Lens

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		35 - 3500K	
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Example Part Number

TX1	—	24	—	35	—	L175
Model		Voltage		Color Temperature		Lensed

Accessories | Sold Separately

ITEM	PART NUMBER	DESCRIPTION
Rail Mounting Kit	TX1-M-RMK	Rigid, quick-mount kit that fits a single, full sized TRAX Array. Contains 8 sections of 24" rails, 6 rail connectors, 16 rail mounting clips, and 4 rail end mounting clips.
Power Link Cable	TX1-24-SC-PLC	2-wire power link cable for single color arrays, 24" length. Connects array pieces or array to power.
Centipede Cable - custom length	TX1-SCWL-CPC-C	Connects floating LED bar pieces to array, custom length sold by the foot.
Centipede Cable - full array length	TX1-SCWL-CPC-64	Connects floating LED bar pieces to array, full array length (64 LED bars / 96" full array).

Suggested Power Options | Sold Separately

ITEM	PART NUMBER	DESCRIPTION
24V, 5-IN-1 Dimmable LED Driver (1 circuit of 96W)	PS-5N1-1C2496-EVO	24VDC 5-IN-1 Dimmable LED Driver. Compatible with most control protocols: Triac / Phase, 0-10V, 1-10V, Potentiometer, and 10V PWM. 1 circuit of 96W.
24V, 5-IN-1 Dimmable LED Driver (2 circuits of 96W each)	PS-5N1-2C24192-EVO	24VDC 5-IN-1 Dimmable LED Driver. Compatible with most control protocols: Triac / Phase, 0-10V, 1-10V, Potentiometer, and 10V PWM. 2 circuits of 96W each.
24V, 5-IN-1 Dimmable LED Driver (4 circuits of 96W each)	PS-5N1-4C24384-EVO	24VDC 5-IN-1 Dimmable LED Driver. Compatible with most control protocols: Triac / Phase, 0-10V, 1-10V, Potentiometer, and 10V PWM. 4 circuits of 96W each.

Suggested Control Options | Sold Separately

We stock and offer the most popular lighting control types and brands. This product is compatible with all control types via associated control components.

TRAX Customization Options

All customizations maintain the UL Listing. Minimum order may apply.

- Voltage
- Power/efficiency/brightness
- Specific color temperatures
- IP Ratings
- Custom sizes/shapes
- LED pitch and placement
- PCB material type
- Pre-mounted to quick install substrates

Custom Power Option Examples

Power (W/ft²)	Light Output (Lm/ft²)	Total Array Lumens (1.24ft²)
5.38	424	6,784 (standard)
4.03	318	5,088
2.69	212	3,392
1.34	106	1,696

Visit us online at evo-lite.com to explore the rest of the TRAX product line!



TRAX® is a patented product of Evo-Lite, LLC. For more information please visit www.evo-lite.com/patent

This product comes with an advanced 5-year warranty. Please review section 19 of Terms & Conditions of Sale at evo-lite.com/legal-documents#terms



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