



FLEX 12

Flexible Low Voltage Trac System

TRAC SECTIONS, CONNECTORS, MONOPOINTS & TOOLS

TF23, TF24, TF30, TF40,
TF540 & JLGB100

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

PRODUCT DESCRIPTION

Flex 12's unique trac construction consists of a flexible insulating core that separates two flat aluminum conductors. It can be installed in straight sections or curved in the field to suit most any application. It may be used in conjunction with 12V or 24V step down transformers, plus the wide variety of Flex 12 connectors, lampholders and pendants.

PRODUCT SPECIFICATIONS

Construction Parallel, flat aluminum conductors separated by a thin, flexible insulator • Available in 4' or 8' lengths • Standard lengths may be cut-to-length by installer • Natural aluminum finish.

Electrical Rated 25 amps at 12V (300VA) or 24V (600VA)

- Electrical feeds are ordered separately (see [D5.1.1](#) and [D5.1.2](#)).

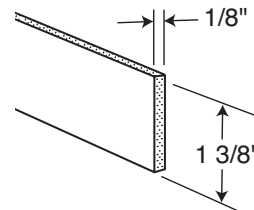
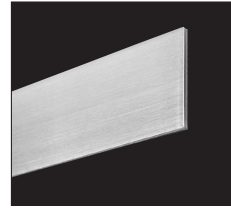
Labels UL listed, CSA certified • New York City Approved.

Specifications subject to change without notice.

PRODUCT INSTALLATION

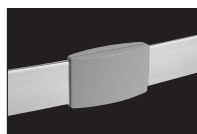
Trac may be installed in straight sections or field curved to conform to architectural surroundings • Trac may be curved at a 4" minimum radius, with 15" minimum radius at electrical feed or fixture locations • Trac may be cut-to-length in the field using shear or fine-tooth hacksaw • TF23 Straight Connector may be used to electrically and/or mechanically join sections of trac • A variety of ceiling mount accessories are offered for close-to-ceiling or suspended applications (see [D5.1.1](#)) • A variety of wall mount accessories are offered for wall installations (see [D5.1.2](#)).

DIMENSIONS

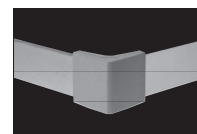


FLEX 12Flexible Low Voltage Trac System
**TRAC SECTIONS, CONNECTORS,
MONOPOINTS & TOOLS****TF23, TF24, TF30, TF40,
TF540 & JLGB100****Straight Connector****TF23 SL**

Straight Connector
Electrically and/or mechanically joins sections of Flex 12 Trac. 25 amp capacity. Silver finish.

**Right Angle Connector****TF24 SL**

Right Angle Connector
Electrically and/or mechanically joins two sections of Trac at a right angle (90°). 25 amp capacity. Silver finish.

**End Cover****TF30 SL**

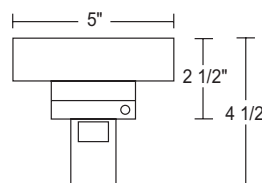
End Cover
Optional vinyl sleeve protects end of trac and conceals sharp corners. Silver finish.

**Monopoint****TF40 SL**

Monopoint
Designed to accept Flex 12 lampholders or pendants. Operates with remote mounted transformer (order separately). Canopy mounts over standard 4" ceiling outlet box. Silver finish.

**Monopoint with Integral Transformer****TF540 SL**

Monopoint w/Integral Electronic Transformer
Designed to accept halogen Flex 12 lampholders or pendants. Includes integral 12V, 50VA electronic transformer. Mounts over standard 4" ceiling outlet box. Reverse phase ELV dimmable. 120VAC input. Silver finish.

**TF540 LED SL**

LED-Compatible Monopoint w/Integral Electronic Transformer
Same as above except compatible with both LED and halogen fixtures. Uses Hatch RS12-60M-LED 60VA 12VAC solid state electronic transformer. Compatible with Flex 12 integral LED fixtures. Also compatible with most 12VAC LED lamps (by others) — contact lamp manufacturer to confirm compatibility. Also compatible with 50W max. 12VAC halogen lamps.

Portable Bending Machine**JLGB100**

Portable Bending Machine for flexible trac and rail. Bends Juno Flex 12 and MonoLine trac. Clamps to a work surface. Easily makes smooth, repeatable bends. Comes with durable carrying case.



FLEX 12

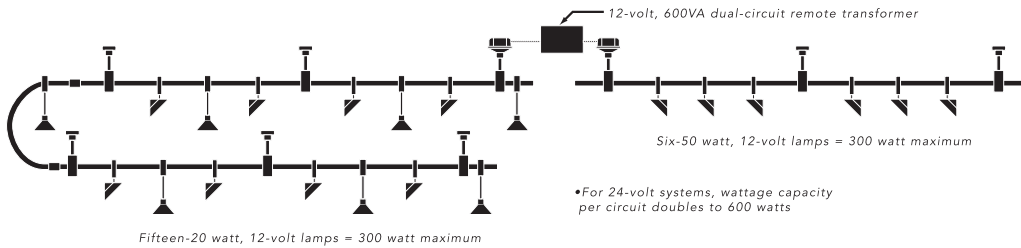
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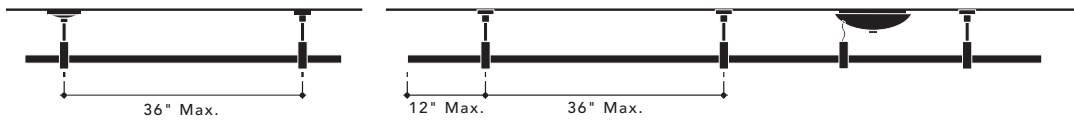
APPLICATIONS

Typical Layouts The Flex 12™ system provides a vast amount of design flexibility, limited only by one’s imagination. The following examples provide some basic ideas for layouts as well as guidelines that should be applied to any installation.

Typical Electrical Layouts



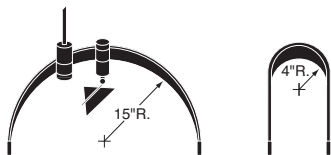
Typical Electrical Layouts



For a straight 4’ trac installation, a minimum of two supports must be used. For a straight 8’ trac installation, a minimum of three supports are required. In all cases, the fixture weight and balance must be considered when determining necessary support quantities, spacing and locations.

(Note: In applications where a large number of trac lampholders are to be employed, more supports, more closely spaced, may be required.)

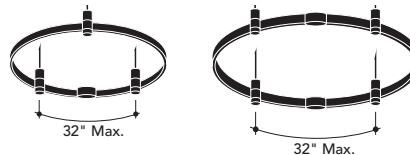
Minimum Bending Radii



The trac can be bent to a minimum radius of 15” and still successfully receive Feed Cylinders, Support Cylinders and trac lampholders.

The trac can be bent as tightly as a 4” radius for design purposes but loses the ability to be safely fed with power or receive lampholders at the tight bend area. If uncertain about a desired layout, please contact the factory.

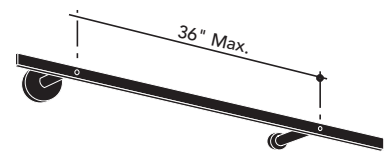
Circles



A perfect circle can be made using an 8’ section of trac supported at three points 32” apart. This results in a 30.5” diameter circle.

Larger circles can be made by joining multiple trac sections, as long as supports are no greater than 32” apart.

Outriggers



Outriggers should be spaced no greater than 36” apart.

(Note: In applications where a large number of trac lampholders are to be employed, more Outriggers, more tightly spaced, may be required.)

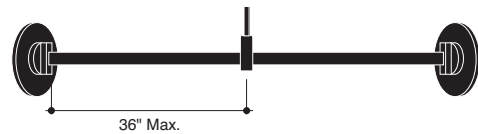
Waveforms



For sinusoidal wave forms, it is recommended that the supports be located at the “peaks” of the wave form (at a minimum) for greater trac stability. In all cases, the fixture weight and balance must be considered when determining necessary support quantities, spacing and locations

Trac is field-bendable by hand, plywood form or trac bending machine. Use of a full-size paper template is recommended.

Waveforms



When using a wall feed, the maximum free span of trac before a ceiling support or wall support must be employed is 36”.