Make sure all end caps and connections are firmly seated to

DISCONNECT POWER BEFORE INSTALLING MICRO LED

1. All 120 Volt electrical connections to power supplies (drivers)

8. Do not install on gates or doors, where subject to flexing

6. Secure this flexible light cable using only the hangers, tracks

4. Do not use if there is any damage to the light or cord insulation.

3. Do not route the cord or flexible light cable through walls,

10. Caution: Ground Fault Circuit Interrupter (GFCI) protection

11. Caution: Use only outdoor extension cords, such as type SOW,

STW, SJOW or SJTW.

1. Do not cover this product as the covering may cause the flexible

5. Do not submerge flexible light in liquids.

3. Do not route flexible lighting through walls, doors,

or clips provided. Do not secure this product or its cord with

staples, nails, or like means that may damage the insulation.

K) Do not subject flexible lighting to continuous flexing.

L) Do not exceed the length in feet permitted by the

marking.

M) Make sure to disconnect the power before adding

segments.

N) Only use extension segments provided with the entire set

of product.

O) To preclude the entry of water, make sure all connections between section segments provided with the entire set of product.

P) Fasten not the LED eStrip in the horizontal plane at all.

Use “T”, “+”, “x”, or step cords instead. Maintain a 2” radius on the vertical plane.

Q) Do not subject flexible light to over 35 lbs of tensile force.

R) When connecting the flexible light with connectors, step cord,

and the power supply (LED driver), make sure the polarity markings are correctly matched.

S) When using outdoor portable lighting products, basic safety precautions should always be followed to reduce the risk of fire, shock, and personal injury, including the following:

1) Ground Fault Circuit Interrupter (GFCI) protection should be provided on the circuits or outlet to be used for the outdoor lighting fixture. GFCI protection is required for this consumer’s safety.

2) Use only listed outdoor extension cord from 120VAC source to LED Driver, such as type SW, SWV, STW, STWV, 500W, SITOW, or SITOW. This designation is marked on the wire of the extension cord.

3) Do not mount to any surface that has temperatures exceeding +40°F to +104°F.

INSTALLING CONNECTORS

1) Disconnect all power before cutting, adding connectors, adding additional LED eStrip, modifying or moving the product in any manner.

2) Cutting LED eStrip

Cut LED eStrip to desired length (nearest cutting line located every 6”) with sharp knife or cable cutters (Figure A). Do not exceed a total of 90 feet of LED eStrip in any single run. Do not exceed total wattage rating of power supply being used.

INSTALLING END CAP

Place end cap over dead end of LED eStrip. Secure with a small amount of silicon glue (Figure D).

INSTALLING LOW VOLTAGE POWER CORD

Making sure correct polarity from cord to LED driver, connect wires from connector to low voltage power supply. Use appropriate strain relief to secure power cord to LED driver.

ENERGIZING SYSTEM

Connect LED Driver to main power (120 volt). NOTE – 120 volt connections to low voltage power supply should be carried out by qualified electrician.

JOINING TWO PIECES OF LED eSTRIP

CAUTION: When joining two pieces of LED eStrip together, make sure both lengths of two pieces DO NOT EXCEED 90 FEET OF PRODUCT. Do not exceed rated wattage of power supply.

1) Disconnect 120VAC from power supply.

2) Remove end cap from LED eStrip, if applicable (Figure B). Clean of glue.

3) Line up positive and negative polarity markings on male connector with markings on LED eStrip. Place male connector over cut end of LED eStrip and push together firmly (See Figure B).

2) Screw thread contacts of connector into LED eStrip until tight and plastic part of connector is seated firmly against product (Figure B).

3) Connect to power supply connector making sure polarity markings are matched (Figure C).

3) Line up positive and negative polarity markings on female part of inline connector with markings on LED eStrip. Place connector over end of LED eStrip and push together firmly (Figure F).

4) Screw threaded contacts of connector into LED eStrip until tight and plastic part of connector is seated firmly against LED eStrip (Figure G).

5) Line up positive and negative polarity markings on female part of inline connector with markings on LED eStrip. Place connector over end of LED eStrip and push together firmly (See Figure F).

11. Caution: Use only outdoor extension cords, such as type SOW,

STW, SJOW or SJTW.

If you do not wish to dim the LED eStrip use any of the LED Drivers listed above and be careful to abide by the minimum and maximum load values listed above.

If you wish to dim the LED eStrip, use only the TRE24L40DC or TRE24L56DC and a low voltage dimmer listed below. All dimmable LED Drivers have no minimum load when used with non-dimmable dimmers, however, all dimmable LED Drivers are more efficient if specified as per the minimum and maximum load values listed above.

1. Our dimmable power supplies are dimmable with any standard MLV incandescent TRIAC (leading edge) dimmer switches. Dimmer switches are to be installed on the input (120VAC) of the driver.

2. Cautiously follow the dimmer instructions, dimmable LED power supply instructions, and the NEC, wire diameter between 120VAC power input and 24 Volt Direct Current dimmable LED power supply.

A) Disconnect from power supply.

B) Install each connector over cut end of LED eStrip and push together firmly (Figure F).

C) Screw threaded contacts of connector into LED eStrip until tight and plastic part of connector is seated firmly against product (Figure B).
WIRING INSTRUCTIONS

Assure power is disconnected from LED eStrip.

1. Use only 18AWG wire of the following specifications:
   • For all interior applications use only our molded cords with "CL2" wire. NLS model numbers 103-01-6CL, 103-01-12CL, 103-01-24CL, 103-01-36CL.
   • For all outdoor applications, use only our molded cords with "Direct Burial" wire. NLS model numbers 103-01-6BR, 103-01-12BR, 103-01-24BR, 103-01-36BR.
2. First, make sure LED Driver is not receiving power in any way. Wire LED eStrip per these instructions, assure proper connection and polarity on all fittings and strain reliefs, and then apply 120VAC power to LED Driver.
3. Low voltage Power Cord can be shortened or lengthened by cutting to desired dimension and placing cut end splice in power supply box or LM80001 (junction box). Low voltage male/extension cord can be shortened or lengthened by cutting to desired dimension and placing splice(s) in LM80001 junction box(s).

NOTE: All splices and connections are only allowed exterior to all walls or structural members.

4. Never exceed a total of 100 feet of power cords or step cords per single run of LED eStrip.
5. Do not try to adjust, fix, rewire, LED eStrip. In the unlikely event LED eStrip does not illuminate, check connections and wiring polarity first. If this does not work, send LED eStrip back for warranty replacement, if applicable.

SPECIFICATIONS

- Electrical Rating: 0.96 watt/ft, 40mA, 24VDC
- Max. Single Run: 90 Feet, 40" High Power model
- Cautability: Every 6” at scissor mark
- Average LED Life: 35,000 hours at 70% Illumination
- Mounting Surface Temperature Limits: -40°F to +104°F
- PVC Color: Clear
- LED Colors: Warm White, Cool White, Amber, Red, Blue, Green

NOTE: If you Do Not want LED eStrip to dim, the above charts are modified to remove "Low Voltage Dimmer", the power supply becomes "Non-Dimmable" LEDSR-24-120W. As always, check the current NEC and local building codes for acceptance of your application design.

LED eSTRIP CABINET WIRING

LED eSTRIP BURIAL WIRING

DIMMING REMOTE POWER SUPPLY INSTALLATION FLOW CHART

Low Voltage CL2 Wire Interior to Walls or Structural Members

ACCESSORIES

- LES-001-XXX
- LES-005
- LES-008
- LES-BFLN
- LES-010
- LES-012
- LES-020
- LES-028
- LES-030
- LES-050
- LES-058
- LES-075
- LES-100
- LES-BFTD
- LES-BFTR
- LES-BFYN
- LES-200
- LES-208
- LES-300
- LES-308
- LES-500
- LES-508
- LES-550
- LES-558
- LES-600
- LES-608
- LES-700
- LES-708
- LES-800
- LES-808

CAUTION: READ AND FOLLOW ALL SAFETY INSTRUCTIONS

- Cove Lighting
- Eave Lighting
- Deck Lighting
- Stairs
- Under/Over Cabinet Lighting
- Visual Merchandising
- Exhibit Projects
- Theatrical Projects

NATIONAL SPECIALTY LIGHTING

2299 Kenmore Ave, Tonawanda, NY 14052
www.rslusa.com
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