GETTING STARTED

Following these few simple steps will ensure a successful installation each time.

Read all instructions, before starting installation.

1. Inspect the boxes for damage and check the parts against the supplied parts list.
   Note: Report damaged parts or shortages immediately to prevent job slowdown / stoppage to place of purchase.

2. Refer to attached provided print and confirm job measurements.

3. Layout your job on paper, making note of Power Supply placement. Power Supplies can be placed at the end of runs or side by side to power allowable linear footage in each direction.

Note: If job measurements do not correspond to provided drawing, call Principal LED immediately at 325-227-4577. Remember: No more than 90 modules per 60W Power Supply.

COMPONENT IDENTIFICATION & REQUIRED TOOLS

MATERIALS

- Housing
  PVC, UC and impact resistant
- Lens (LED Tube)
  Polypropylene, UV and impact resistant
- Mounting Clip
  Steel
- Profile Dimensions w/ Mounting Clips
  Street Wrap 1.38” X 1.69”

STREET WRAP™

The LEDs come pre-installed in the 106.5” System.

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LED SPECIFICATIONS

- **ELECTRICAL**
  - Input: 12VDC
  - Maximum Load: 60W OR 120W
  - Current at Max. Load: 5A

REQUIRED TOOLS

- 25’ Measuring Tape
- 100’ Measuring Tape Framing Square
- Square -1’
- Portable Rechargeable Drill
  - 5/16” hex/bit and unibit
  - Masonry bits (if brick wall)
- Extension Cord
- Sawzall or Compound Saw Carpenter Pencil
- Caulk Gun
- Box Knife
- Wire Strippers
- Wire Snips
- Laser Tool or Chalk Line Substitute Fasteners for the Application if Applicable
1. Use a chalk line, gauge, laser level, or other means to be certain the run is straight, marking locations for brackets.

2. Border/perimeter of sign cabinets should always have orientation of Street Fighter Wrap™ housing raised lip outboard on vertical or diagonal. Orient brackets so that the drain holes will be on the bottom side of the horizontal runs.

3. Install mounting brackets. Spacing will be no greater than 17.75”. Length for Standard, Mix-n-Match and Specialty Street Wrap™ is 106.5”, RGB is 104”. Use pre-drilled wire hole mounting brackets at transformer locations.

Note: Track sections share a bracket at the ends to keep ends together and straight. There must be a space left between 106.5” plastic track sections (NOT LEDs) of 3/16”.

NOTE: MAXIMUM 3 UNITS PER 60W POWER SUPPLY

120 VAC

60W Power Supply

319.5”

106.5”

TIP
Install end bracket after housing has been installed into previous brackets by sliding over end to ensure bracket is centered between sections. Place mounting brackets 3” on center from corners.
1. Connect wires from one section to another using red butt splice wire connectors. No more than 45 modules in a series.

Insert top, Bracket Latch

Raised Portion

Roll into bottom point of track housing

Fascia

Mounting Screw

Figure 1

2. Before hanging sections that have the power cable placed between them, cut a small notch with dikes or other tool in the back of both housing sections to allow room for cable.

NOTCH  WIRE HOLE  BRACKET

3. Lay the section being added on the mounting brackets. After making wire connections tuck the wires and connectors BEHIND LED modules. Caulk notch.

4. Insert the top edge into the top bracket latch. Push the track housing in and roll top track housing into mounting bracket bottom point. See Figure 1.

5. Bring Street Wrap™ sections close together by pushing sections together until LED modules come together, but leave a 3/16” approximate expansion gap between plastic track sections. Leave no gaps in the LEDs.

6. Install an End Cap at the beginning and end of runs with silicone. Silicone on top side only, so water will drain out.

7. Finish by sliding a Coupling Rain Shield under the mounting bracket latch, over both sections. Use a small amount of silicone on one side of rain shield to hold on.

8. Use a small screw driver to gently pry up the Mounting Bracket Latch to insert Rain Shield under latch making certain it is firmly attached.

3/16” Approx. expansion gap between plastic track sections NOT LEDs.
CUSTOM CUT TO FIT END OF RUNS & CORNERS

END OF A RUN

1. Remove LEDs before cutting track by sliding one or two modules out.

2. Measure, mark and cut Street Wrap™ to required length. Use a fine blade.

3. Add drain holes in the center, of the cut piece of track, before reinstalling the LED.

4. Reinstall modules to desired length.

HORIZONTAL CORNERS

OUTSIDE CORNERS

INSIDE CORNERS

These corners are square cut and overlap slightly to give a continuous look at a distance and allow for thermal expansion.

VERY IMPORTANT
Insulate or remove unused wires at the end of run to prevent shorting. Do not connect wires together or to next circuit.

CORNER CONNECTIONS

HINT: THREAD END CAPS ONTO PLTC CABLE BEFORE WIRE CONNECTIONS BACK TO BACK

PLTC: Power Limited Tray Cable.
When mounting Street Wrap™ on an incline or vertically, two things must be prevented. First the Street Wrap™ must be kept from sliding down, while still allowing for expansion/contraction with temperature changes. Second, water must be sealed out since it will run down the top of the Street Wrap™.

Seal the rain shield to the upper Street Wrap™ to keep water from penetrating.

Do NOT seal the rain shield to the lower Street Wrap™ since the Street Wrap™ will expand/contract.

Caulk above (or crimp) ONE bracket towards the middle of each of the rest of the Street Wrap™ to prevent it from sliding while still allowing it to expand and contract.

Drill 2 holes in the end cap to allow water to escape.
FRAME BORDER INSTALLATION

EXAMPLE: 104” x 196”

3 Brackets Per Street Wrap

Always ensure drain holes are on bottom side. Add holes to the center of a run less than 8 feet.

Always seal drain holes with silicone onverticals when present.

Add Drain Holes on bottom of Vertical Runs

1/4” Gap Typ. for expansion

Cable Hole Mounting Bracket
Low Voltage Cable
Angle Brackets below vertical runs to prevent sliding

Drain Holes

1/4” Gap for expansion
End Cap attach with caulk
Track Mounting Bracket

Mounting Screw

TOP LEFT, TOP VIEW DETAIL

TOP RIGHT DETAIL, PROFILE VIEW

BOTTOM LEFT DETAIL

BOTTOM RIGHT DETAIL, SIDE VIEW

BOTTOM RIGHT DETAIL, PROFILE VIEW
CONNECTING TRANSFORMERS

Note: Stop and make sure the supplied power supply is 277VAC rated with any primary voltage supply greater than 120.

1. Attach Qwik Boxes to available support member.

2. Attach power supplies inside of Qwik Boxes.

3. Install strain relief for low voltage wire.

4. Drill 1/2" hole through the fascia. A conduit fitting can be installed so that conduit can be used.

5. Insert low voltage wire into the hole and connect to LED. Fill hole with silicone sealant.

**Note:** Three 106.5” Street Wrap™ Border per 60W Power Supply.

Side by side mounting location show below can reduce primary and secondary wiring labor time.

**VERY IMPORTANT:** KEEP LOW VOLTAGE CIRCUITS ELECTRICALLY SEPARATE, DO NOT CONNECT TRANSFORMERS OR LEDS FROM DIFFERENT 106.5” STREET WRAPS™ TOGETHER OR CONNECT MORE THAN THREE 106.5” STREET WRAPS™ TO A 60W POWER SUPPLY!
TESTING EACH SECTION

IMPORTANT: DO NOT SKIP THIS STEP. ALWAYS CHECK ALL LED LIGHTS BEFORE CONTINUING.

1. Using the installed transformers, supply power to the LED light chains by connecting a temporary 120V connection to the black and white wires on the transformer to power the LED lights.

REMEMBER: BLACK AND WHITE WIRES ARE FOR 120V POWER IN, RED AND BLACK ARE FOR LOW-VOLTAGE POWER OUT.

2. Check to see if all LEDs are lit and working correctly.

3. If a module or section does not light up, is damaged, etc.—disconnect power and check connections or replace a module by splicing in another.

DO NOT APPLY 120V TO THE RED OR BLACK WIRES OR DIRECTLY TO THE LED MODULES.
HOW TO WIRE RGB STREET WRAP

POWER AMPLIFIER FIGURE

NOTE: For RGB, use a maximum of 84 mods (three 104” units)/60W PS.

Watch our RGB installation and troubleshooting videos at YouTube.com/PLEDSanAngelo:
How to Wire in the 60W and 120W into the T35A Control System with Amplifiers
How to Program the T3M Remote with the T35A RGB Controller