GENERAL GUIDELINES

- A 12 VOLT DC POWER SUPPLY MUST BE USED WITH sempriaLED FIXTURES!
- All wiring must meet NEC® or local codes.
- 20/2 solid wire is recommended from power supply to fixtures and between fixtures.
  (If 20/2 solid wire is not available, 20/2 stranded wire may also be used. Tin ends of wire if possible.)
- A maximum of 60 watts of sempriaLED Lighting is allowed on a zone.
- Limit wire length to 30 feet from power supply to lights.
- Place switches on the 120 volt side of the power supply (12 volt DC).
- De-burr all cut WireWay edges to ensure wire safety.
- If other than Task specified dimmers are desired, call Task Lighting for instructions.
- Improper installation or applying improper voltage to fixture will void warranty. See TaskLighting.com for full warranty info.

POWER SUPPLY (12 volt DC) LOCATIONS

- Some power supplies may be conveniently concealed within our TR Series Angle Power Strip or Lighted Power Strip.
- A sink base or the top of a cabinet are other common power supply locations.
- Power Supply must be accessible.
- DO NOT LOCATE POWER SUPPLY IN ATTIC.

PRE-WIRING

Run separate wire from power supply (12 volt DC) location to each zone. When total wattage of sempriaLED fixtures in zone exceeds 60 watts, use a second power supply and run additional 20/2 solid wire for another zone. Length of wire from power supply to first fixture in each zone is not to exceed 30 feet. Wiring may start at either end of fixture. (Option: separate wire may be run from power supply to each fixture.)

SEE POWER SUPPLY INSTALLATION INSTRUCTIONS FOR INSTALLING POWER SUPPLY
1. Cut SG9-WW WireWay Base the length from wire entry location (at back of cabinet) to the front of cabinet. Miter the corner or use SG9-WW-MJ12 (12" miter piece) to turn the corner. Deburr all cut edges to ensure wire safety.

4. Cut wire to fit between adjacent fixtures. Insert wires into terminal blocks, maintaining polarity (RED wire to RED terminal, BLACK wire to BLACK terminal.) Maintain polarity or fixtures will not work.

5. Snap lens onto fixture. Position fixture in center of cabinet and snap into WireWay Base.

6. Cut WireWay Cover (or miter piece) to fit exposed Base. Deburr cut WireWay edges. Snap into Base.

3. Strip 1/4" insulation from driver wires. Push RED solid wire straight into terminal block with RED mark. Push BLACK solid wire straight into terminal block with BLACK mark. (20/2 solid wire is recommended. If using 20/2 stranded wire, ends must be tinned. Depress terminal block tab with ball point pen and insert wire.)

**OPTION: Installing sempriaLED Fixtures Without WireWay**

Use mounting channel supplies with fixture. Use screws provided to secure mounting channel to underside at face of cabinet. Follow step 3 instructions. Position fixture in channel and snap into place.
PRE-WIRING
Run separate wire from power supply (12 volt DC) location to each zone. When total wattage of sempriaLED fixtures in zone exceeds 60 watts, use a second driver and run additional 20/2 solid wire for additional zone. Length of wire from power supply to first fixture in each zone is not to exceed 30 feet. Wiring may start at either end of fixture. (Option: separate wire may be run from driver to each fixture.)

SEE POWER SUPPLY INSTALLATION INSTRUCTIONS FOR INSTALLING POWER SUPPLY
INSTALLING FIXTURES

1. Slide lens back to expose connectors or remove lens from fixture.

2. Strip 1/4" from RED wire and insert into terminal block opening with RED marking. Strip BLACK wire, insert into terminal block opening with BLACK mark. (If using 20/2 stranded wire, ends must be tinned. Depress terminal block tab with ball point pen and insert wire.)

3. Cut wires to fit between adjacent fixtures. Insert wires into terminal blocks, maintaining polarity (RED wire to RED terminal, BLACK wire to BLACK terminal.) MAINTAIN POLARITY OR THE FIXTURE WILL NOT WORK.

4. If fixture does not light, reverse wires.

5. Mounting surface must be finished and dust-free for mounting tape to properly adhere. Remove backing from mounting tape and press fixture firmly into place.

6. Using screws provided, secure fixture in place. DO NOT pierce LED strip with screws, nails, staples, or any other mechanical device.

7. Slide or snap lens back into place.

NOTE:
If using stranded wire we recommend tinning the end of the wire first. If stranded wire is used without tinning, terminal block tabs must be depressed when inserting wires. Note that wiring with untinned stranded wire may result in a poor connection.

WHEN USING TWO POWER SUPPLIES:

Start both sets of wires from power supplies at a common point and wire the zones in opposite directions.
R Series
Installation in Solid Bottom

GENERAL GUIDELINES
• All wiring must meet NEC or local codes.
• 20/2 solid wire is strongly recommended, from driver to fixtures, and between fixtures.
• Wire length is maximum of 30 feet from driver to fixtures.
• Maximum of 60 watts of sempriaLED lighting is allowed per zone.
• Place switches on the 120V side of power supply.
• If other than Task specified dimmers are desired, call Task Lighting for instructions.
• Improper installation or applying improper voltage to fixture will void warranty.
  See TaskLighting.com for full warranty info.

POWER SUPPLY
• A 12 VOLT DC POWER SUPPLY MUST BE USED!
• Power Supply must be accessible; the sink base or top of cabinet are common locations.
• Do not locate power supply in attic.
• Some power supplies may be concealed within our TR Series Angle Power Strip or Lighted Power Strip.

PRE-WIRING
Run separate wire from power supply location to each zone. If total wattage of sempriaLED fixtures in zone exceeds 60 watts, use a second power supply and run additional 20/2 solid wire for additional zone. When using two power supplies, start both sets of wires from a common point and wire the zones in opposite directions. Wiring may start at either end of fixture. (Option: separate wire may be run from power supply to each fixture.)

SEE POWER SUPPLY INSTALLATION INSTRUCTIONS FOR INSTALLING POWER SUPPLY

INSTALLATION
1. Using a 5/8” router bit, hollow out a groove (the length of the fixture) from cabinet or shelf bottom.
2. Remove lens from fixture.
3. Strip 1/4” insulation from 20/2 wires that run from power supply. Insert wires into terminal block at either end of fixture (RED wire to terminal with RED mark, BLACK wire to terminal with BLACK mark.)
4. Apply double stick tape (provided) to back of fixture and insert into groove. Fixture will fit tight. Secure fixture with screws (provided).
5. Snap lens back in place.

If using end caps, please refer to the end cap instructions.
GENERAL GUIDELINES

• All wiring must meet NEC or local codes.
• 20/2 solid wire is strongly recommended, from driver to fixtures, and between fixtures.
• Wire length is maximum of 30 feet from driver to fixtures.
• Maximum of 60 watts of sempriaLED lighting is allowed per zone.
• Place switches on the 120V side of driver.
• If other than Task specified dimmers are desired, call Task Lighting for instructions.
• Improper installation or applying improper voltage to fixture will void warranty. See TaskLighting.com for full warranty info.

POWER SUPPLY

• A 12 VOLT DC POWER SUPPLY MUST BE USED!
• Power Supply must be accessible; the sink base or top of cabinet are common locations.
• Do not locate power supply in attic.
• Some power supplies may be concealed within our TR Series Angle Power Strip or Lighted Power Strip.

PRE-WIRING

Run separate wire from power supply location to each zone. If total wattage of sempriaLED fixtures in zone exceeds 60 watts, use a second power supply and run additional 20/2 solid wire for additional zone. When using two power supplies, start both sets of wires from a common point and wire the zones in opposite directions. Wiring may start at either end of fixture. (Option: separate wire may be run from power supply to each fixture.)

SEE POWER SUPPLY INSTALLATION INSTRUCTIONS FOR INSTALLING POWER SUPPLY

INSTALLATION

1. Using a 5/8” router bit, hollow out a groove (the length of fixture) from flush panel.
2. Remove lens from fixture.
3. Strip 1/4” insulation from 20/2 solid wires that run from power supply. Insert wires into terminal block at either end of fixture (RED wire to terminal with RED mark, BLACK wire to terminal with BLACK mark.)
4. Snap lens back onto fixture.
5. Insert fixture into routed groove (fixture will fit tightly.)
6. If needed use a silicone adhesive, spot-secure fixture to panel from top-side.
7. Attach flush panel to bottom of cabinet.

If using end caps, please refer to the end cap instructions.
GENERAL GUIDELINES

- All wiring must meet NEC or local codes.
- 20/2 solid wire is strongly recommended, from power supply to fixtures, and between fixtures.
- Wire length is maximum of 30 feet from power supply to fixtures.
- Maximum of 60 watts of sempriaLED lighting is allowed per zone.
- Place switches on the 120V side of power supply.
- If other than Task specified dimmers are desired, call Task Lighting for instructions.
- Improper installation or applying improper voltage to fixture will void warranty.

See TaskLighting.com for full warranty info.

POWER SUPPLIES

- A 12 VOLT DC POWER SUPPLY MUST BE USED!
- Power Supply must be accessible; the sink base or top of cabinet are common locations.
- Do not locate power supply in attic.
- Some power supplies may be concealed within our TR Series Angle Power Strip or Lighted Power Strip.

PRE-WIRING

Run separate wire from power supply location to each zone. If total wattage of sempriaLED fixtures in zone exceeds 60 watts, use a second power supply and run additional 20/2 solid wire for additional zone. When using two power supplies, start both sets of wires from a common point and wire the zones in opposite directions. Wiring may start at either end of fixture. (Option: separate wire may be run from power supply to each fixture.)

SEE POWER SUPPLY INSTALLATION INSTRUCTIONS FOR INSTALLING POWER SUPPLY

SEE POWER SUPPLY INSTALLATION INSTRUCTIONS FOR INSTALLING POWER SUPPLY

WHEN USING TWO POWER SUPPLIES:

Start both sets of wires from power supplies at a common point and wire the zones in opposite directions.

INSTALLATION

1. Remove lens from fixture.
2. Select side of fixture that will attach to mounting surface. Using 1/8" bit, drill two mounting holes one near each end of fixture (location is indicated by BLACK mark on end of fixture.) DO NOT pierce or damage LED board. Deburr metal.
3. Apply foam double-stick tape squares to same side of fixture, avoiding the mounting holes.
4. Strip ¼" from RED 20/2 solid wire; push wire straight into terminal block opening with RED mark. Strip BLACK 20/2 solid wire; push wire straight into terminal block opening with BLACK mark. (If using 20/2 stranded wire, ends must be tinned. Depress terminal block tab with ball point pen and insert wire.)
5. Cut wires to fit between adjacent fixtures. Insert wires into terminal blocks, maintaining polarity (RED wire to RED terminal, BLACK wire to BLACK terminal.)
6. If fixture does not light, reverse wires. Gently depress terminal block tab and carefully pull wires straight out.
7. Mounting surface must be finished and dust/residue free. Peel backing from tape squares and press firmly into place.
8. Using screws provided, secure fixture in place. DO NOT pierce LED strip with screws, nails, staples or any other mechanical device.
9. Snap lens back into place.

Lighted Closet Rod
Installation Instructions

SEE POWER SUPPLY INSTALLATION INSTRUCTIONS FOR INSTALLING POWER SUPPLY

1. Rod and lens must be 3/8” shorter than closet width measurement.

2. If field-trimming is necessary, slide lens out of fixture. Use scissors or shears to trim lens to length (3/8” shorter than closet width.)

3. Use chop or hacksaw to cut rod to proper length. DO NOT CUT LED CIRCUIT BOARD. Deburr all cut edges. Slide lens back into place.

4. Prep wires for LED fixture: Strip 1/4” of insulation from RED and BLACK wires.

5. Using #8 (1 1/2”) wood screws provided, secure one flange to wall stud on “non-wired” side of closet.

6. Slide second flange onto rod with grooved side facing opposite wall.

7. Holding rod, lens, and loose flange in one hand, push RED solid wire push straight into LED terminal block opening with RED mark. Push BLACK solid wire straight into terminal with BLACK mark. (20/2 solid wire is recommended. If using 20/2 stranded wire, ends must be tinned. Depress terminal block tab with ball point pen and insert wire.”

8. Insert “non-wired” side of rod into installed flange.

9. Partially fasten second flange to wall using ONE screw. Carefully position wires into one of the groves located on back of flange. Secure flange to wall with remaining screw, making sure wire is in flange groove. (If wires come through drywall and into the fixture, this step is not needed.)


11. Cut Sempria WireWay to cover wires from flange exit to driver. Remove cover of WireWay and secure mounting base (wider piece) to wall with screws provided. Position wires inside base and snap cover (smaller piece) into place. Deburr all cut WireWay edges to protect wire insulation.

NOTE: Maintain wire polarity. If fixture does not illuminate after making wire connections, reverse wires at driver. (A slight delay “on” is possible.)
All installations must comply with national and local electrical codes.

1. Before installing, turn power off at main breaker panel.

2. Expose wiring compartment by inserting flat blade screwdriver between housing and cover; Gently pry down to open. (Figure 1)

3. Position fixture in mounting location to determine which knock-out to use.

4. Install supplied conduit connector into knock-out. Secure wire. Connector may be used with: 3/8 trade sized reduced wall flexible steel or aluminum conduit, 14/2 to 10/2 non-metallic sheathed cable, or 14/2 to 10/2 steel armored cable.

5. Mount fixture with screws provided. (Figure 2)

6. Secure ground wire (GREEN) to PEM stud marked with on fixture

7. Using orange push connector provided, connect WHITE to WHITE wire from power supply. (Figure 3)

8. Using orange push connector provided, connect BLACK to BLACK wire from the 120V side of the fixture switch. (Figure 3)

9. Ensure all wires are pushed to inside of housing; snap cover shut.

10. Turn power on at main breaker panel.
Hardwired Waterproof Power Supply
Hardwired Waterproof Power Supply to Tape Light Installation Instructions

Power Supplies – IP67 rated Waterproof

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description and Use</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-60W-12-WP-HW</td>
<td>60W 12V – IP67 rated waterproof LED hardwired</td>
<td>6-1/2&quot; x 1-5/8&quot; x 1-1/4&quot;</td>
</tr>
<tr>
<td>T-150W-12-WP-HW</td>
<td>150W 12V – IP67 rated waterproof LED hardwired</td>
<td>7-3/8&quot; x 2-3/8&quot; x 1-1/2&quot;</td>
</tr>
</tbody>
</table>

NOTE
- **DO NOT** connect low-voltage LED tape light to high-voltage power.
- Install in accordance with NEC and local regulations.
- Make all 120V AC connections inside UL Listed junction box
- Power Supply **cannot be dimmed** on the 120V AC side.
- For wireless switching, use low voltage controls on the 12V DC controls on the Power Supply (see pages 24-45)
- Install in an accessible, well-ventilated area such as sink base or on top of cabinet. For best operation, do not locate in an attic or other area of high ambient temperature.

Tools Needed

![Tools Needed](image)

Product Legend

![Product Legend](image)

Wiring 120V AC side of Hardwired Waterproof Power Supply

1. Turn off 120V AC power at Circuit Breaker Panel.

2. Using wire nuts, connect 120V AC wires to Power Supply. Hot to BROWN wire, Neutral to BLUE wire.
   **NOTE:** Power Supply is IP67 rated waterproof, connections are not. Wire nuts or connection need sealed from water if placed in wet location.

Wiring 12V DC side of Hardwired Waterproof Power Supply

1. Cut length of wire to run from Power Supply to the installation location of the LED Tape Light. Strip 1/4" from both ends of wire, twist, and fold stripped wire section in half.

2. On the OUTPUT side of Power Supply, use wire nuts to connect Red wire to (V+) Red, Black wire to (V-) Black.

3. Connect the other end of stripped wires to LED Tape Light using one of the illumaLED Connectors, Red wire to (+), Black wire to (-). See Option 1 or Option 2 for connecting.

4. Option 1 – Using LED Tape Light Factory Installed Female Plug
Insert stripped wires into the terminals of a Male Barrel Connector T-MBC, Red wire to (+), Black wire to (-), tighten screws. Plug into Female Plug on end of the LED Tape Light.

4. Option 2 – Using L-8MM-EZ Connectors
Cut factory installed Female Plug off the end of the LED Tape Light. Use #1 Phillips to loosen the 4 terminal screws on 8MM-EZ Connector. Peel 1/2" of the adhesive protector from back of LED Tape Light, insert into connector, evenly tighten screws. Insert wires into terminals, Red wire to (+) side of tape, Black wire to (-) side of tape; tighten screws. Check all connections for wire polarity – Red wire to (+), Black wire to (-).

5. Turn on 120V AC power to Power Supply and switch lights on.

Mounting Hardwired Waterproof Power Supply

1. Position junction box in place and use two screws to secure to mounting surface.
1. Cut length of wire to run from Power Supply to the installation location of the LED Tape Light. Strip 1/4” from both ends of wire, twist, and fold stripped wire section in half.

2. Use Flat blade screwdriver to loosen screws on Female Barrel Connector T-FBC, included with Power Supply. Insert one end of folded wires into the terminals of T-FBC, Red wire to (+), Black wire to (-), tighten screws.

3. Insert Male Plug on Power Supply into Female Barrel Connector. If using T-12W-12V-PI, T-24W-12V-PI, or T-36W-12V-PI, plug into a switched 120V AC outlet. Use a standard 120V AC on/off switch to control the outlet. Proceed to Step 4 if using a 60W or larger Plug-In Power Supply.

4. Insert the Plug on the Power Cord into Power Supply and plug into a switched 120V AC outlet. Use a standard 120V AC on/off switch to control the outlet.

**NOTE**

- **DO NOT** connect low-voltage LED tape light to high-voltage power.
- Power Supply cannot be dimmed on the 120V AC side.
- For wireless switching, use low voltage controls on the 12V DC controls on the Power Supply (see pages 24-45)
- Install in an accessible, well-ventilated area such as sink base or on top of cabinet. For best operation, do not locate in an attic or other area of high ambient temperature.

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**Tools Needed**

- Male Plug
- Flat blade screwdriver
- Female Barrel Connector T-FBC

**Product Legend**

- Female Barrel Connector T-FBC
- Factory installed Male Plug

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**Power Supplies – Constant Voltage**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description and Use</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-12W-12V-PI</td>
<td>12W AC/DC 2 prong plug-in, 12V DC 1 amp</td>
<td>2-15/16” x 1-3/16” x 1-13/16”</td>
</tr>
<tr>
<td>T-24W-12V-PI</td>
<td>24W AC/DC 2 prong plug-in, 12V DC 2 amp</td>
<td>3-11/16” x 1-7/8” x 1-5/16”</td>
</tr>
<tr>
<td>T-36W-12V-PI</td>
<td>36W AC/DC 2 prong plug-in, 12V DC 3 amp</td>
<td>3-3/4” x 2” x 1-5/16”</td>
</tr>
<tr>
<td>T-60W-12V-PI</td>
<td>60W AC/DC 2 prong plug-in, 12V DC 5 amp</td>
<td>5-1/8” x 2-1/16” x 1-1/4”</td>
</tr>
<tr>
<td>T-96W-12V-PI</td>
<td>96W AC/DC 3 prong plug-in, 12V DC 10 amp</td>
<td>5-1/2” x 2-3/8” x 1-3/8”</td>
</tr>
<tr>
<td>T-120W-12V-PI</td>
<td>120W AC/DC 3 prong plug-in, 12V DC 10 amp</td>
<td>6-3/8” x 2-11/16” x 1-1/4”</td>
</tr>
</tbody>
</table>

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**Connecting Plug-In Power Supply**
NOTE
• DO NOT connect low-voltage LED tape light to high-voltage power.
• Power Supply cannot be dimmed on the 120V AC side.
• For wireless switching, use low voltage controls on the 12V DC controls on the Power Supply (see pages 24-45)
• Install in an accessible, well-ventilated area such as sink base or on top of cabinet. For best operation, do not locate in an attic or other area of high ambient temperature.

Tools Needed

Product Legend

Plug-In Power Supply 12V DC
Plug-In Power Supply to Puck Light Installation Instructions

Plug-In Power Supply to Puck Light
Provide receptacle for Plug-in Power Supply or use existing outlet behind the microwave, refrigerator, dishwasher, or under the sink. If using our in-line low voltage switches, sensors, or Wireless Control systems, see instructions packaged with the components.

Direct Connection

2. Insert Male Plug on power supply into Female Plug on Puck Light.
3. Plug power supply into switched outlet and turn on Puck Light.

Remote Connection

2. Cut length of wire to run from Power Supply to the installation location of the LED Puck Light. Strip 1/4" from both ends of wire, twist, and fold stripped wire section in half.
3. Insert one end of stripped wires into the terminals of a Female Barrel Connector, Red wire to (+), Black wire to (-), tighten screws. Repeat process with the other end of the wire and a Male Barrel Connector.
4. Insert Male Plug on power supply into Female Barrel Connector.
5. Insert Male Barrel Connector into Female Plug on puck light.
6. Plug power supply into a switched outlet and turn on puck light.