CAUTION: Do not mount where fixture can be completely or partially submerged in water.
ATTENTION: Ne montez pas à un endroit où l’appareil peut être complètement ou partiellement immergé dans l’eau.

Tools: Required: Wire strippers, measuring tape, miter saw (for custom length field cuts), multimeter. Optional: Cordless drill, drill bits, #2 Phillips driver bits, chalk line.

Supplies: Required: Butt splices or IDC connectors, wire nuts, IPS Weld-On® #16 Solvent Cement, and UL listed wet location, sunlight resistant PLTC cable.
Optional: Mounting clips (P/N 401203), #6 Pan Head Phillips screws, appropriate thread anchor for mounting surface.
NOTE: 3M™ Scotchlok™ connectors for European installations only.

NOTE: 3M Scotchlok connectors for European installations only. Not UL recognized for North American installations.

WARNING: Check Polarity. All connections must be RED-to-RED (+) and BLACK-to-BLACK (-). Reverse polarity connections may damage LEDs and will void product warranty. AVERTISSEMENT. Vérifiez la polarité. Toutes les connexions doivent être ROUGE à ROUGE (+) et NOIR à NOIR (-). Des connexions inversées peuvent endommager les DEL et annuler la garantie du produit.

CAUTION: To maintain integrity of end caps and prevent water penetration around wires, do not pull or tightly bend wires or allow tension between wire connections.
ATTENTION: Pour maintenir l’intégrité des capuchons d’extrémité et empêcher la pénétration d’eau autour des fils, ne tirez pas ou ne pliez pas trop les fils, et ne permettez pas la tension entre les connexions des fils.

1. Peel and stick: NOTE – If installing with mounting clips skip to Step 2. Clean installation surface with rubbing alcohol and allow to dry. Remove tape backing and stick SlimLINER into place. Ensure it is firmly attached. Leave .25” (6 mm) gap between sections.

2. Install mounting clips: NOTE – Skip Steps 2 and 3 if not installing with mounting clips. Snap chalk line on surface for mounting. Install four (4) mounting clips per SlimLINER section. Place a mounting clip 1.5” (38 mm) from each end of SlimLINER section. Evenly space remaining two (2) mounting clips in approximate 14.5” (368 mm) increments.

3. Install SlimLINER sections onto mounting clips: Slide or snap SlimLINER sections onto mounting clips. Leave .25” (6 mm) gap between sections.

4. Connections: Sections may be connected in series or parallel. String of SlimLINER luminaires should not be connected to create a closed circuit. Cap all unused, exposed wire ends.

5. Connect power supply: See Power Supply installation guide for more information regarding power supply installation.
Field Cuts

SAFETY WARNING: Failure to strictly follow these instructions may subject installer or others to personal injury. Failure to strictly follow these instructions will also void manufacturer's warranties and may cause risk of fire, product damage, damage to property and injury to persons. Please read all warnings contained below and follow all instructions carefully.

AVERTISSEMENT DE SÉCURITÉ: Le non-respect scrupuleux de ces instructions peut exposer l'installateur ou d'autres personnes à des blessures corporelles. Le non-respect scrupuleux de ces instructions annulera également la garantie du fabricant et pourrait entraîner un risque d'incendie, de détérioration du produit, de dommages matériels et de blessures corporelles. Veuillez lire tous les avertissements ci-dessous et suivre toutes les instructions attentivement.

1. Gather materials: Sandpaper, Weld-On #16, Humiseal 1B73 conformal coat (for sealing edge of LED board), and acrylic field end cap.

2. Cutting custom lengths: Each SlimLINER can be cut in field—for two (2) usable sides—in approximate 5.5" (140 mm) increments. If a custom length is required, use a power miter saw to make a clean, straight cut on black cut line.
   **NOTE:** Perpendicular cuts ONLY. Set miter saw to 0º. No angled cuts. After cutting, each piece will still light if connected to power.

3. Deburr LED board and extrusion: Gently pull LED board out of extrusion about .25" (6 mm). Deburr cut-end of LED Board and SlimLINER extrusion with enclosed sandpaper. Make sure to remove all debris from LED board and extrusion.

4. Seal end of LED board with conformal coat: Brush Humiseal 1B73 conformal coat onto cut edge of LED board to seal from moisture. Allow to dry for 7 minutes. Do not apply conformal coat to cut edge of extrusion or end cap.

5. Push PCB back into extrusion: After Humiseal has dried for at least 7 minutes, press circuit board as far into tube as it will go.

6. Clean extrusion: Ensure end of extrusion is clean and free of any foreign material. If any Humiseal adhered to extrusion, gently sand off. Avoid sanding edge of LED board.
7. Cap custom cut lengths: Clean any debris from cut end and ensure that any exposed wires are not in contact with each other (trim wires if necessary). Apply IPS Weld-On #16 to entire rim of SlimLINER field end cap and bond to cut end of SlimLINER segment. Apply pressure to end cap for 60 seconds to ensure a strong bond.

### 12 VDC Power Supply Capacity Chart for SlimLINER

<table>
<thead>
<tr>
<th>Part number</th>
<th>Input current</th>
<th>Power output</th>
<th>Output current</th>
<th>Fixtures</th>
</tr>
</thead>
<tbody>
<tr>
<td>701680</td>
<td>0.55 A</td>
<td>20 W</td>
<td>1.67 A</td>
<td>2</td>
</tr>
<tr>
<td>410174</td>
<td>0.40 A</td>
<td>25 W</td>
<td>2.1 A</td>
<td>2</td>
</tr>
<tr>
<td>701507-60C1</td>
<td>0.70 A</td>
<td>60 W</td>
<td>5.0 A</td>
<td>6</td>
</tr>
<tr>
<td>701507-60C2</td>
<td>0.80 A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>701507-60W2(E)</td>
<td>0.70 A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>701507-60W3</td>
<td>0.80 A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>701507-120D1</td>
<td>1.70 A</td>
<td>2 × 60 W</td>
<td>2 × 5.0 A</td>
<td>6 × 2</td>
</tr>
</tbody>
</table>

All footage based on 90% of rated capacity

Power used per foot (meter) in watts: 2.25 (7.4) W

* For sign applications, only certified for use outside of U.S. and Canada.

**NOTE:** Each 12 V circuit must be limited to 5 A (60 W) or less. For North American installations, a power supply that meets NEC Class 2 specifications is required.

### Troubleshooting

**NOTE:** A licensed electrician should perform all applicable steps.

**Entire SlimLINER leg does not light after complete installation.**
Check connection from power supply lead to first section of SlimLINER. Make sure polarity of connections made at power supply lead, any jumper wire, and at first section are correct. All connections must be RED-to-RED and BLACK-to-BLACK.

**Still does not light.**
Disconnect SlimLINER from power supply. Check output voltage of power supply using a multimeter. The output voltage should be 12.0 VDC ± 0.5 VDC. If there is no output voltage, have a licensed electrician check input voltage. Make sure power supply is connected correctly and getting primary power. If power supply is connected properly and getting primary power and there is still no output voltage, replace power supply.

**Still does not light.**
If power supply is getting primary power, has the correct output, and no sections light, there may be a short in the secondary wiring. Check all connections and cap all loose wires.

**The beginning of a leg lights, but entire leg does not light or lights intermittently.**
The primary cause of a portion of a SlimLINER leg not lighting or lighting intermittently is a bad connection or reverse polarity connection between the sections that light and sections that don’t light. Check this connection.

**An entire power supply leg of SlimLINER is dim.**
Ensure maximum number of feet (meters) has not been exceeded (see above 12 VDC Power Supply Capacity Chart). Check secondary voltage. If voltage is below 11.5 VDC, power supply leg may be overloaded.

**One segment does not light, but all others in the leg light.**
SlimLINER is designed so if one segment fails, it will not cause the entire leg to go out. If one segment does not light, but all others in the leg do, replace the entire section with a new one.

UL file number: E215393