SAFETY & WARNINGS

1. Read all instructions.
2. Install in accordance with national and local electrical code regulations.
3. This product is intended to be installed and serviced by a qualified, licensed electrician.
4. For cabinet and surface mount use only.
5. Do not install outdoors or in wet locations. For indoor and dry use only.
6. Do not conceal or extend exposed conductors through a building wall.
7. For low voltage exposed insulated conductor systems required by 30.1(c) of UL 2108 do not install any part of this system less than 7 feet (2.2m) above the floor.
8. To reduce the risk of fire and burns, do not install this lighting system where the exposed bare conductors can be shorted or contact any conductive materials.
9. To reduce the risk of fire and overheating, make sure all connections are tight.
10. Do not install any luminaire closer than 6 inches (15.25cm) from any curtain, or similar combustible materials.
11. Turn off electrical power before modifying the lighting system in any way.
REQUIRED TOOLS

1. Hammer
2. Phillip Head Screwdriver
3. Pliers
4. (4) Wood Screws
5. (5) Twist-on Wire Connectors

INSTALLATION

1. TURN POWER OFF AT CIRCUIT BREAKER

SHOCK HAZARD! May result in serious injury or death. Turn power OFF at circuit breaker prior to installation.

Prior to mounting, turn on power and test connection to ensure system is operating properly. Turn off power again before mounting.
**INSTALLATION (CONT.)**

**2) PUNCH OUT KNOCKOUTS FOR CONDUIT ACCESS**

Use screwdriver and hammer to loosen knockout.

Grip knockout with pliers. Bend back and forth until broken off.

**3) MOUNT DRIVER TO SURFACE**

Mount wood screws into surface 2 inches apart horizontally and 4.5 inches vertically.

Allow approximately .25 in. of screws to protrude from surface.

Place junction box over screws, then gently press down until set in place.
**INSTALLATION (CONT.)**

**4 WIRE DRIVER TO AC INPUT AND LOW VOLTAGE LOAD**

1. **GND**: Attach to J-Box and to Primary Ground
2. **Neutral**: To Primary High Voltage Neutral
3. **Line (Hot)**: To Primary High Voltage Line Hot
4. **V+**: To Low Voltage Load V+
5. **V−**: To Low Voltage Load V−

**Wire LED Driver. Ensure main power is OFF.**

**Wire Combination Range**

<table>
<thead>
<tr>
<th>600V Max</th>
<th>22 to 14 AWG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. (1) #18 &amp; (2) #20</td>
<td>Max. (2) # #14</td>
</tr>
</tbody>
</table>

**Wire Combination Range (mm)**

<table>
<thead>
<tr>
<th>600V Max</th>
<th>0.34mm² to 2.5mm²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. (1) 0.75mm² w/ (1) 0.50mm²</td>
<td>Max. (4) 1.5mm² w/ (1) 0.50mm²</td>
</tr>
</tbody>
</table>

**TRADITIONAL ON/OFF SYSTEM DIAGRAM**

*LED Driver and J-Box must be grounded in accordance with local and national electrical codes.*

Ground the LED Driver and J-Box with the included Green Grounding Screw. Some compatible LED drivers are Class II certified and do not require a FG (Fault Ground Connection). Refer to the LED driver label and installation guide for more information.
**TROUBLESHOOTING**

SYSTEM WORKING IMPROPERLY?
Turn power OFF at circuit breaker and verify all connections. Review SYSTEM DIAGRAMS and TROUBLESHOOTING or call Diode LED Technical Support at 877.817.6028.

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Common Cause</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixture does not illuminate</td>
<td>• Circuit breaker is OFF or tripped.</td>
</tr>
</tbody>
</table>

**ADDITIONAL RESOURCES**

Visit the on-line product page at www.DiodeLED.com for full product specifications, installation guides, and warranty information.

**LO-PRO MINI SPECIFICATION SHEET**

For full product specifications and warranty information.

**INSTALLATION (CONT.)**

5. FASTEN COVER TO JUNCTION BOX
   Using phillips-head screwdriver, screw cover plate onto unit.

6. TURN POWER ON AT CIRCUIT BREAKER
   [Diagram of turning power on]

   ON | OFF
   ---|---
   ON | OFF