

**Model:**  
**(91227-147) Excaliber 3' lead 12v**  
**(91222-147) Excaliber 12v**  
**(91232-147) Excaliber 24v**



**Description: 12V or 24V Brass Path/Area Light**  
**Lamp Provided: 20 Watt (maximum wattage-20 watts)**

## ***ASSEMBLY/INSTALLATION INSTRUCTIONS:***

**Please read carefully before installing. Save these instructions.**

### **Fixture Assembly Instructions**

We have simplified the wiring procedures by pre-fabricating all the connections for you. Your fixture comes ready to be connected to the hub.

### **Fixture Placement**

In order to achieve a consistent and even level 1 light, it is important to have proper fixture placement, Your fixture will have an approximate 15' beam spread. To eliminate dark spots and concentric circles your fixtures should be placed at 7'-8' intervals.

### **No Tools Required**

However, it is recommended that when installing any low voltage fixture that you have (at a minimum) the following items: voltage meter, amp probe, wire nuts, and assorted hand tools

1. Determine fixture location. Attach the provided stake onto the fixture, until secure. Take care not to twist the wire. Place the stake in the ground and bury to the top of the neck. Be certain that the fixture is facing the correct direction
2. Use both of the adjusting mechanisms located at the top of the stem (thumb screw) for vertical adjustment and the (female nipple) for horizontal adjustment to get the perfect lamp position.
3. Pull the 50' wire lead to your connection point (hub) and connect the two wires. Please note that even though polarity is not an issue, it is recommended that you always match the polarity, (put wires with lettering together and the ribbed wires together). Although it is not necessary, we do recommend that you bury all additional wire at the fixture, rather than cutting off the excess. This helps maintain flexibility and even voltage.

### **Important safety and maintenance instructions**

1. Use with low-voltage outdoor lighting system only.
2. Lamp is hot when lit! Do not touch when lamp is on!
3. Allow fixture to cool before touching or re-lamping fixture!
4. Keep away from materials, structures or landscapes that may burn!
5. Do not operate fixture if cover shield is damaged or missing.
6. Not for use with pool and spa equipment. Do not submerge fixture in water.
7. Clean fixture with mild soap. Do not use acid or any other solvent base cleaner.

**CAUTION:** **DO NOT OVERLOAD CABLE or TRANSFORMERS** and maintain polarity at all times. For 12 volt systems, keep each fixture between 10.8 and 12 operating volts. For 24 volt systems, keep each fixture between 21.6 and 24.0 operating volts. Consult with a qualified electrician and electrical codes before installing any electrical device.

# UNIQUE LIGHTSCAPING™

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