### MOUNTING:

**WITHOUT A POUR COLLAR (PC):**

1. Remove the three machine screws that hold the fixture to the mounting tube with a 5/64” Allen wrench. Pull the fixture out of the mounting tube and set aside.
2. Dig a hole approximately 10 - 12” deep and 6 - 8” wide. Run low voltage cable up through the hole allowing enough cable to reach desired fixture position.
3. Place approximately 2” of gravel in bottom of hole for proper drainage.
4. With cable running through the center of the mounting tube, place the mounting tube into the ground at desired height and position.
5. Make wire connections with approved silicone filled, watertight water nuts. If wire connection is to be made inside of mounting tube, fixture leads should be cut to a suitable length. Wire connections can be made up to 5’ away from the fixture using the supplied leads.
6. Coil excess wire in bottom of mounting tube.
7. Re-install the three machine screws using a 5/64” Allen wrench.

**WITH A POUR COLLAR (PC):**

1. Remove the three machine screws that secure the fixture to the mounting tube with a 5/64” Allen wrench. Pull the fixture out of the mounting tube and set aside.
2. Dig a hole approximately 10 - 12” deep and 6 - 8” wide. Run low voltage cable up through the hole allowing enough cable to make proper wire connections.
3. Place approximately 2” of gravel in bottom of hole for proper drainage.
4. With cable running through the center of the mounting tube, place the mounting tube into the ground.
5. Back fill the hole so that the top edge of the pour collar will be even with the finished grade.
6. Brace fixture and protect pour collar threads from wet concrete with tape. Pour slab and finish as required.
7. Make wire connections with approved silicone filled, watertight water nuts (available from Winona Lighting). If wire connection is to be made inside of mounting tube, fixture leads should be cut to a suitable length. Wire connections can be made up to 5’ away from the fixture using the supplied leads.
8. Coil excess wire in bottom of mounting tube.
9. Re-install the three machine screws using a 5/64” Allen wrench.

### CUSTOM MOUNTING & FLOOR MOUNTING:

1. Similar to above instructions, but mounting tube MUST be supported by means of mechanical fastening and/or chemical fastening methods. Mounting tube can be drilled and tapped for these applications. There are no maximum wattage limitations or “INDOOR” rating on LED fixtures mounted in a combustible surface. (wood, drywall, etc.....)

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**SAVE THESE INSTRUCTIONS!**
Installation Instructions

**BIRCH LED & LAUREL LED SERIES**

Revision Date: Feb. 3, 2016

**INSTRUCTIONS PERTAINING TO A RISK OF FIRE, OR INJURY TO PERSONS**

**IMPORTANT SAFETY INSTRUCTIONS**

Lighted lamp is HOT!

**WARNING** – To reduce the risk of FIRE OR INJURY TO PERSONS:
- Turn off/unplug and allow to cool before replacing lamp.
- Lamp gets HOT quickly! Contact only switch/plug when turning on.
- Do not touch hot lens, guard, or enclosure (see diagram/picture).
- Keep lamp away from materials that may burn.
- Do not touch the lamp at any time. Use a soft cloth. Oil from skin may damage lamp.
- Do not operate the luminaire fitting with a missing or damages shield.

**SAVE THESE INSTRUCTIONS**

**Power Unit:**

This fixture is designed to be used with a remote transformer (landscape lighting type) with electrical ratings not to exceed 15V, 25A.

**Wire:**

Use only cable rated for low voltage.

If cable is to be buried, maximum depth is 6” unless direct burial cable is used. The 12-2 & 16-2 direct burial cable is available. 10-2 and 8-2 direct burial cable is available by special order. Use the chart below to determine the proper wire gauge, wattage, and length of run.

**Wire Connectors:**

Use silicone filled, waterproof wire nuts to make electrical connections.

**Fixture Test:**

Test fixture with a digital voltage meter at fixture leads. Voltage at fixture leads must not exceed 15.00 volts or drop below 10.5 volts or the warranty will be voided.

**Codes:**

Check all local and national building codes for additional requirements regarding low voltage lighting.
- Chart based on magnetic transformers with output of 12V.

**SAVE THESE INSTRUCTIONS!**