



## INSTALLATION INSTRUCTIONS FOR KERR LIGHTING PRODUCTS FROM SEK-SUREBOND CORP.

**Thank you for purchasing Kerr Lighting products. Please read all instructions thoroughly before beginning and follow them carefully when installing your project. If you need assistance, technical support is available Monday to Friday, 8 AM to 5 PM CST by calling (800) 932-3343.**

*These instructions can be used for Kerr Paver Lights™, Retaining Wall Lights, Garden Wall Lights, Deck & Dock Lights and Wallter and Cornelius Wall Lights.*

1. Draft a layout of your project showing the location where the transformer will be plugged in and the desired location of your lights. Lights are typically placed 5-8 feet apart for good lighting distribution but you may prefer otherwise.

2. Make sure you have the materials and tools needed to complete your installation. You'll need:

- Lights, each including
  - light base
  - light lens
  - lamp socket(s)
  - lamp(s) (bulbs)
- Connectors(2-per light)
- Low voltage power supply cable
- Transformer
- Tools:
  - Pliers
  - Wire Cutters



3. Split one end of the power supply cable and remove about 3/8" of the insulation on each side to expose the copper wire inside. Connect each side to the knobs on the back of the transformer.



4. Mount the transformer outdoors near a plug. Transformers placed near swimming pools or other water sources should be plugged into a GFCI-protected outlet and the control unit should be mounted at least 10 feet from the edge of the water. Do not plug in the transformer until all lights have been installed.

5. All Kerr Paver lights come preassembled with the bulbs in the sockets which are attached to the base.



6. Run the low voltage cable which will supply power to the lights around the perimeter of your project. For installation with segmental pavers, you may set the cable atop the bedding sand under the border course of pavers to keep it from being damaged when digging in the yard and so it can be easily located. Remember to leave enough slack for connection of the light to the power cable.

7. When using the silicone connectors split the power supply cable down the middle without exposing the copper where the lights are to be located. **Note that one side of the cable is ribbed and one is smooth.** See back of sheet when using the brown connectors.



8. Examine the connectors and note there are three holes in each. The outside holes are for the power cable and the middle hole is for the lead from the fixture. Cut one side of the split power supply cable. There is no need to strip the insulation. Place each end of the cut power cable into the two outside holes in the connector. Push one of the cables from the light fixture into the middle hole. Visually make certain all three wires are pushed to the back of the connector.

9. Squeeze the connector with a pair of pliers, pushing the black cap down until it is flush with the clear plastic housing. Make certain that all three wires remain at the back of the connector during this process. Crimping will require a bit of force as you are forming the connection between all three wires. The connectors contain a silicone gel, which coats the connection and protects it from moisture. It is normal for some of the silicone to squeeze out during the crimping. Wipe off excess with a rag, taking care not to get it on your clothing.



10. Repeat steps 8 & 9 with the other side of the power supply cable and the remaining lead from the fixture. You should end up with two connections per light as shown. **After all lights have been attached, plug in and switch on the transformer to test all connections.**



**Note: When you reach the last light on the string, you will only use two holes on each connector as shown.**



***Installation using brown saddle connectors (included with some Light Kits): Can only be used with 12 gauge cable.***

Split the power supply cable down the middle without exposing the internal copper wire. Do not cut the cable in half.



Straddle one side of the split power supply cable with the connector and insert one of the wires from a light (either white or black) in the other hole in the connector as shown. Then crimp the connector with pliers and repeat the process for the other half of the of the low voltage cable. You should have two connectors per light.



11. Connectors should be buried below the pavers in the sand setting bed, in the ground, or in the stone behind retaining and garden walls.

12. Set the light fixture in its place. Make sure adjacent pavers sit on the "L" shaped feet that come with some Paver Lights or on the extended bottom plate that is part of the light base on others to hold down the light. Run the wiring under or around the existing or new pavers.



13. Install the light lens.

14. The enclosed silicone connectors should only be used with 16 gauge cable, the brown connectors should be used with 12 gauge cable.

**Important notes:**

- Kerr Light Kits include transformers which are sized to accommodate the number of lights included in the Kit. Should you decide to add lights to the Kit, and when planning your project, the wattage of the transformer must exceed the total wattage of the lights on the power cable. For example, if your project includes 10 lights on a string, each with a 7 watt bulb, the transformer must exceed 70 watts of power (10 lights x 7 watts each).
- The closer your lamps are placed to the transformer, the higher their voltage (and wattage) readings will be. Those farthest away will have lower voltages. If a cable run is too long or if too many lights are being powered by a single transformer, noticeable voltage drop may occur. Voltage drop causes the lights farthest from the transformer to become dim. Voltage drop can be minimized by:
  - using a heavier gauge cable (Kerr Lighting recommends a maximum power cable length of 100 feet on 16/2 cable and 300 feet for 12/2 cable)
  - using a transformer with greater wattage
  - using multiple transformers
  - shortening cable lengths
  - reducing the total number of fixtures on a run
- When using Kerr Paver Lights in a new installation, light lenses can be scratched by plate compactors if not protected. Please cover the lens with cardboard or a similar protective material to ensure that it does not become damaged during compaction.
- To prevent lens discoloration do not apply paver cleaners or sealers to the light lens.
- Accessory and replacement parts, including lenses and colored bulbs, are available. Please contact your local supplier or call Kerr Lighting Customer Service at (800) 932-3343 for more information.



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