Environmental Lights Plug-and-Play LED Puck Light Kits

The Plug-and-Play LED Puck Light Kits from Environmental Lights are designed with high Color Rendering Index (CRI), sleek surface finishes, and easy-to-use functionality. A high CRI of 70+ lighting ensures truer colors and minimizes color distortion of lit objects. Puck Light Kits are available in soft white 3000K and neutral white 4000K. Each kit comes with:

- 3 - LED Puck Lights
- 3 - Surface Mount Rings (pre-assembled)
- 1 - 3-way Splitter
- 1 - 12V Power Adapter
- 6 - Mounting Screws (Flathead)
- 4 - P-clips each with 1 screw

Each puck light has a 90 degree beam angle and can be surface or flush mounted to suit the application. Please refer to Page 2 and 3 for installation instructions.

These plug-and-play systems are dimmable when used with the In-line Dimmer with RF Remote for Plug-and-Play LED Puck Light Kits. Please refer to the table below for complete specifications.

Part Number	CRI	CCT	Surface Finish	Beam Angle	Certification
puck-light-kit-sw-s	70+	3000K	Silver	90°	ETL
puck-light-kit-nw-b	70+	4000K	Black	90°	ETL
puck-light-kit-nw-s	70+	4000K	Silver	90°	ETL

Safety Precautions:

1. This equipment, like all electrical equipment, should be installed by a qualified person.

2. Do not expose LEDs, dimmers or power supplies to intense electro-magnetic fields, including lightning.

3. The controllers and power supplies are not waterproof. Keep them dry.

4. Always observe proper polarity.

Wiring Instructions

Follow the procedures below to test that the system works properly before doing any installation. In the unlikely case that some or part of the system is defective or was damaged during shipment, it will be helpful to know of such defective issues before installation. This will also determine if anything was damaged during installation, which is helpful in trouble-shooting because manufacturing defects and installation damage typically have different solutions.

1. Connect each light to the 3-way splitter.
2. Connect the 3-way splitter to the power adapter.
3. Plug in the power adapter into any 120V outlet.
4. If using the puck lights in conjunction with the [In-line Dimmer with RF Remote for Plug-and-Play LED Puck Light Kits](#), connect the sensor in line between the adapter and the splitter.

Flush Mount or Recessed Installation

Once the system's proper functionality is confirmed, the puck lights can be prepared for installation. It is recommended to install LEDs, electronic controls and dimmers in such a way that you have access to them in the unlikely case they fail or must be repaired. All electrical components can fail over time. To flush mount the puck lights, please follow the procedures below:

1. Examine the puck lights' dimensions and understand the table and definitions below to gather all of the required tools before proceeding. There are several important dimensions to be aware of when flush mounting a light:

Visible Height	Visible Diameter	Recessed Height	Recessed Diameter	Recommended Wood Boring Bit Size
0.06" / 1.5mm	2.74" / 70 mm	0.41" / 10.5 mm	2.45" / 62 mm	2-1/2"

- **Visible Height:** This is the height of the puck light fixture that will be visible when flush mounted.
- **Visible Diameter:** This is the diameter of the puck light fixture that will be visible when flush mounted. It is the largest diameter of the fixture.
- **Recessed Diameter:** This is the largest diameter that will have to go through the hole when flush mounting the puck. The hole should be slightly larger than this to accommodate the puck. Each puck also has integrated mounting tabs to hold it in place when recess mounted.
- **Recommended Hole Saw Size:** If the puck lights will be flush mounted in a wood surface, it is recommended to use a hole saw to achieve precise sized holes for puck lights. Hole saws are available in standard sizes, and easily cut circular holes.
- **Recessed Height:** This is the total height of the puck that will be below the mounting surface.

2. In order to recess or flush mount puck lights, remove the Surface Mount Ring (photo below) by placing the puck light face down on a soft surface and pulling the ring up and off of the puck light.
3. After confirming the dimensions of the puck light model you wish to install, select the location of the puck light and confirm the final puck light footprint. Do this for all puck light locations.
4. For the first puck light location, drill a hole using a 2-1/2" hole saw.
5. Insert the puck light, making sure that the mounting clip is pulled completely above the mounting surface to provide pressure and holds the puck firmly against the mounting surface
6. Repeat steps 2-6 for the rest of the puck lights.

Surface Mount Installation

Each LED puck light comes assembled with a detachable Surface Mount Ring, which conceals the mounting holes and screws to keep the sleek design. To surface mount your puck light, please read the instructions below.

Surface Mount Ring

Wire Slot

Puck Light

1. Pull the puck light out of the Surface Mount Ring housing, making sure that the wire still runs through the ring. To do this, place the puck light face down on a soft surface and pull the ring up and off of the puck light.
2. Layout and position the wires in the desired location, making sure there will be enough length from each of the puck lights to the outlet plug.
3. Position the Surface Mount Ring on the desired surface, making sure that the side of the ring with the slot is on the mounting surface and the wire comes out from the ring's slot.
4. Turn the ring, keeping the wire in the slot, to position the wire in the desired side.
5. Continue to hold the ring against the surface. Using a Phillips screwdriver, fasten each of the two flathead screws through the two screw holes on the Surface Mount Ring and into the mounting surface.
6. Tighten each of the two screws until the flat head screws are flush with the countersunk holes on the Surface Mount Ring.
7. Press the puck light back into the ring.
8. Repeat steps 3-7 for the rest of the puck light assemblies.
9. Optional Wire Organization: Once the puck lights are mounted, the wires can be routed using the P-clip and screw.
   a. Place the wire(s) inside the P-clip loop.
   b. Position the wires and P-clip in the desired location, making sure that the flat side of the P-clip is against the flat mounting surface.
   c. Use a Phillips screwdriver to fasten the screw through the P-clip hole and into the mounting surface. Tighten until the screw is flush with the countersunk hole of the P-clip.

Flathead Screws

P-Clip Side View & Front View