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Environmental Lights LED Puck Lights

Recess mounted LED Puck Lights are an easy-to-use, dimmable and reliable solution for large and small scale recessed downlighting installations. Powered by low-voltage 24 VDC, the puck lights can be chained together in long runs without voltage drop. For large installations, use the LED PowerTrack System to power dozens of Recess Mounted LED Puck Lights from a single power supply.

The swivel pucks have a 180-degree adjustable swivel lens allows for adjustability for exact control of the beam of light, even after the puck has been recessed mounted.

We have 24 different options for selecting the right puck for your installation. Simply pick from the table below and choose a surface finish color of white, black or silver.

	swivel-puck-3000K-_	swivel-puck-4000K-_	swivel-puck-5600K-_	swivel-puck-6500K-_	puck-light-3000K-_	puck-light-4000K-_	puck-light-5600K-_	puck-light-6500K-_
CRI	90+	90+	85+	90+	90+	90+	85+	90+
CCT	3000K	4000K	5600K	6500K	3000K	4000K	5600K	6500K
Beam Angle	90°	90°	90°	90°	90°	90°	90°	90°
Rotation	180°	180°	180°	180°	Fixed	Fixed	Fixed	Fixed
Certification	ETL	ETL	ETL	ETL	ETL	ETL	ETL	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 your power adapter. Use a Y-Splitter or PowerTrack to test multiple pucks at once for larger installations.
2. Plug in your power adapter into any 120V outlet.
3. If using the puck lights in conjunction with the In-line Dimmer with RF Remote for LED Puck Lights, connect the sensor in line between the adapter and the LED Puck Lights.

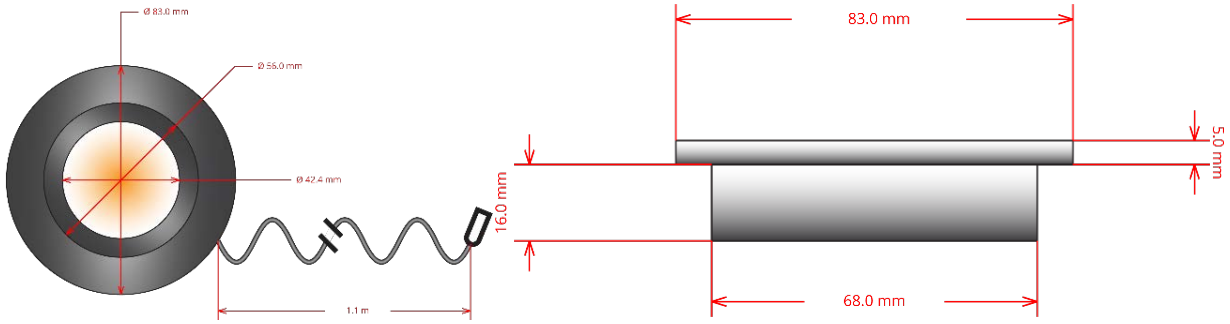
Installation

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 recess 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 the required tools before proceeding. There are several important dimensions to be aware of when flush mounting a light. Note the different dimensions of the swivel and non-swivel puck light before beginning installation:

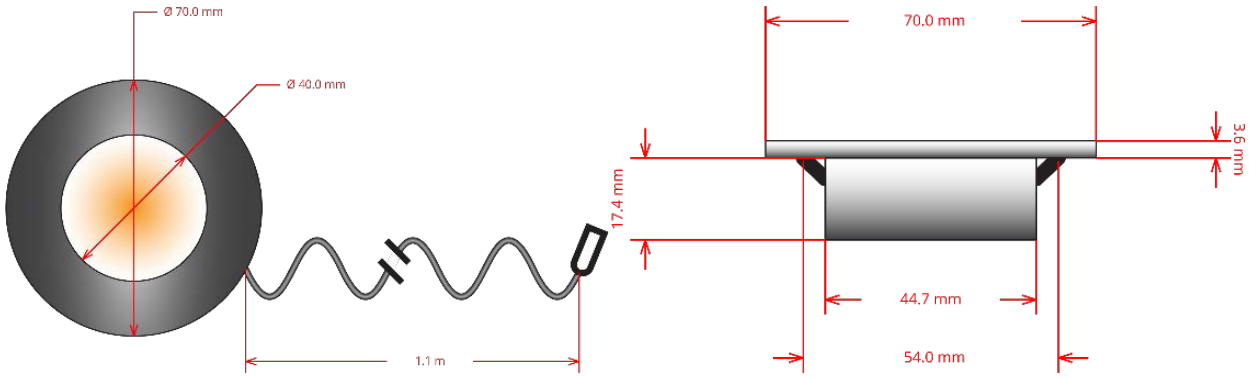
Swivel Puck Light

Visible Diameter	Recessed Diameter	Recommended Wood Boring Bit Size	Height
3.27" / 83 mm	2.68" / 68mm	2-3/4"	0.83" / 21mm



Non-Swivel Puck Light

Visible Diameter	Recessed Diameter	Recommended Wood Boring Bit Size	Height
2.74" / 70 mm	1.76" / 44.7mm	2"	0.83" / 21mm



- **Visible Diameter:** This is the diameter of the fixture which will be visible when 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 Wood Boring Bit Size:** Environmental Lights recommends that if you are mounting in wood you use a wood boring bit to achieve precise sized holes for your downlights. Wood boring bits are available in standard sizes, and easily cut circular holes.
- **Height:** This is the total height of the puck. 0.06" (1.5 mm) will be visible below the mounting surface. The rest should be accommodated for above the mounting surface.

2. After confirming the dimensions of the 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.
3. For the first puck light location, drill a hole using the proper sized hole saw depending on the puck. Use a 2-3/4" boring bit for the swivel pucks and a 2" boring for the non-swivel pucks.
4. Insert the puck into the hole. For the swivel pucks, the spring loaded retaining clips must be pulled back before the puck is inserted. For the non-swivel pucks, make sure that the mounting clip is pulled completely above the mounting surface to provide pressure and hold the puck firmly against the mounting surface.
5. Repeat steps 2-4 for the rest of the puck lights.