



# Wafer Thin LED Puck Light

*Architectural quality, component-based LED lighting system*

## Practical configuration, easy to install

LED Wafer Lights are a surface-mounted puck that measures just 1/4 in. thick to give a sleek recessed look with the ease of a surface mount installation. Each fixture comes prewired with a color-coded power lead for easy direct wire connections, an installation template and double-sided tape to mount without using screws, if desired. Low voltage safe, simply cut or extend cables to meet any installation need. Lights can be installed individually, linked together, or combined with Armaco LED tape lighting in the same circuit. The number of lights installed is limited only by the output rating of the power supply.

## Bright and highly efficient, cool to the touch

LEDs emit very little heat, ensuring they won't overheat an enclosed space. Integral diffusers soften the lighting and eliminate glare on adjacent surfaces. High quality, energy-efficient LEDs are rated for 35,000 hours and require a 12V DC power supply (sold separately) with enough wattage to suit the application.

## Fully dimmable

Enjoy smooth, soft-start and fade-to-dark professional dimming with any standard, in-wall AC dimmer when Wafer Lights are used with Armaco Lighting's Dimmable LED Drivers/Power Supplies. LED Wafer Lights are also compatible with Armaco Lighting's line of 12-volt dimmers. Wireless dimming controls are available that eliminate the need to run wires from the LED lighting to the remote dimmer location, useful in situations where installing new cabling can be difficult. Visit [armacostlighting.com/dimming](http://armacostlighting.com/dimming) to learn more about dimming options. Requires a 12V DC power supply.

## IMPORTANT

**CAUTION: For use only with low voltage 12V DC power source.**  
**Do not connect to 120V AC current.**  
**For dry location only.**

## Disconnect all power before installing.

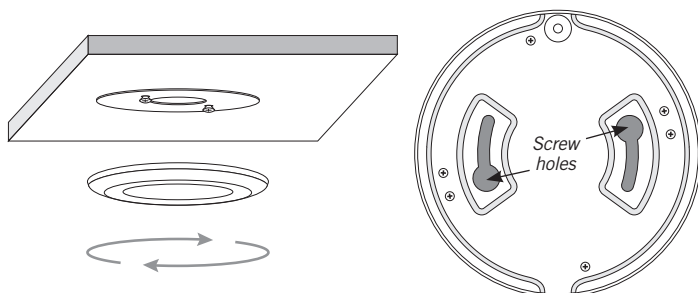
Wire runs inside walls must be installed in accordance with national and local electrical codes, low voltage Class 2 circuit. Use properly certified CL2 or better cabling. Do not install low-voltage wiring in the same wire run as AC power. If AC and low-voltage wires cross, keep them at 90-degree angles. If you are unclear as to how to install and wire this device, contact a qualified electrician.

- Use only insulated staples, plastic ties or clips to secure wires.
- Route and secure wires so they will not be pinched or damaged.
- Failure to observe polarity or shorting of wires may damage the LED lights.

## INSTALLATION GUIDELINES

### Using screws

Use the template to line up the screws. Insert the screws till the threads are no longer visible and the screw head is sticking up from the surface ~1/16 in. Line up the holes on the back of the light with the screws and then twist the light clockwise to secure it in place.



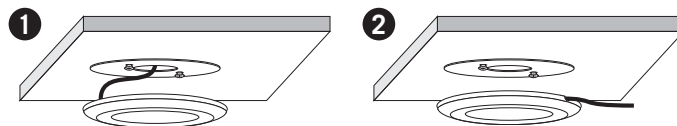
Turn Wafer Light clockwise to lock into place

Back view of Wafer Light

## Using 3M tape

The light can also be installed to a surface using the supplied 3M double sided tape. Apply the 3M tape to the center flat portion of the back of the light and then install at the desired location. Note: Once adhered, the 3M tape will be difficult to remove if you try to move the light.

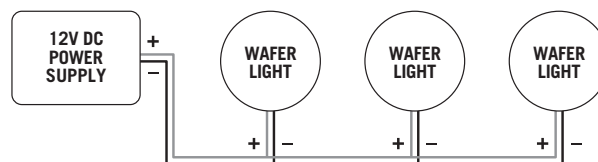
With either installation method, the power wire can be (1) inserted through a drilled hole or (2) fed through a removable section of the wall on the side of the light. Use pliers to break away the pre-scored slot.



## Typical connection

Simply connect LED lights to the low voltage output of your 12V DC power supply as shown. Always maintain polarity, red (+) to red, black (-) to black. Splice and extend power lead cables to meet installation needs. For RV and boat applications, power the lighting directly by 12V battery.

Be sure to use a 12V DC power supply with sufficient wattage to power the total number of LED lights connected to your system. At 100% brightness, each Wafer LED Light uses about 3 watts.



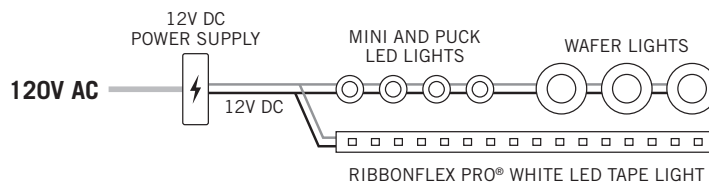
On very large, multi-LED light installations, be aware of possible voltage drop, which only becomes undesirable if you notice the brightness in one area of your lighting is objectionably different than in another area. Do not coil wire; shorter lengths and thicker wire will mean less voltage drop and higher brightness. For an online voltage drop calculator, visit [armacostlighting.com/voltagedrop](http://armacostlighting.com/voltagedrop).

## Planning for a dimmer

Use only Armaco Lighting LED dimmers or an Armaco AC to DC dimmable LED power supply with a compatible Lutron® or similar in-wall AC dimmer. Be sure to visit [armacostlighting.com/dimming](http://armacostlighting.com/dimming) to learn about the types of dimmers that will work with Armaco LED lighting and power supplies.

## Works with other Armaco component-based lighting

Lights can be linked together or combined in the same 12-volt low voltage circuit with other Armaco lighting products, including white RibbonFlex Pro® LED tape lighting, mini lights, and puck lights.



| SPECIFICATIONS             | WARM WHITE | BRIGHT WHITE |
|----------------------------|------------|--------------|
| Input Voltage              | 12V DC     | 12V DC       |
| Power Consumption          | ~3W        | ~3W          |
| Color Temperature Option   | ~3000K     | ~4000K       |
| Light Output (Lumens)      | 220        | 250          |
| Lumens per Watt (Efficacy) | 80         | 80           |
| Color Accuracy (CRI)       | ~80        | ~80          |
| Beam Angle                 | 150        | 150          |

Limited 3-year warranty. This product is for dry location use only. Improper installation, improper powering, abuse, or failure to use this product for its intended purpose will void warranty. Proof of purchase is required for all returns. Questions? Email [support@armacostlighting.com](mailto:support@armacostlighting.com).