

GRACE Puck Light Installation Instructions

Installing Grace Puck Lighting

The Grace Puck Light is a low-voltage direct-current light fixture that is intended for indoor use. While the Grace Light does not require a certified electrician for installation, you may wish to consult with a professional installer if you are not familiar with basic low voltage wiring.

For typical installations follow these suggested steps:

1. Remove bezel from LED back-plate assembly
2. Confirm fixture, power supply and control locations and run low voltage wiring
3. If recessing wire, drill holes
4. Connect fixtures to wiring and test system functionality
5. Permanently fasten back-plate assembly to mounting surface using self-tapping screw (included)
6. Dress wiring as required
7. Secure bezel, color film (if desired) and lens with screws provided Puck Components Color films approximate typical dimmed incandescent light colors. Place film against lens inside of puck enclosure.

Power Requirements

Use only Class 2 Power Supplies offered by The Lighting Division as they include many beneficial features for the long life and designed operation of your Grace Light fixtures. Connection to other power sources will void your warranty and may cause fixture damage.

Since each Grace Puck Light consumes a small amount of power, a number of fixtures may be powered by a single supply. Fixtures are intended to be daisy chained in order to minimize wire runs.

Voltage Drop

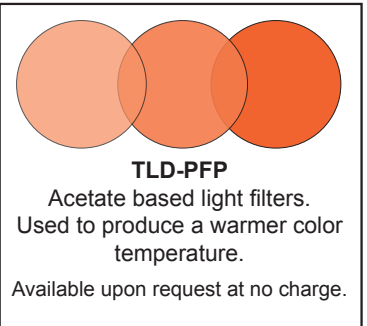
As with any low voltage lighting product, reduced light output can occur if installations do not account for the effect of voltage drop over long runs of fixtures or wire. Since Grace Fixtures are LED, the voltage drop per fixture is far less than other light sources. Most installations do not need to factor in this concern. Long runs and large distances from the power supply (remote location of 50 feet or more) to fixtures do require consideration of wire gauge and component location. Consult local codes or call factory for further assistance.

Wiring Grace Light

Each end of the Grace Puck Light has wiring terminals; however, connection to only one end is required to power a single fixture. You may use any wire suitable for low-voltage direct-current, as the terminal will accept 16-24 AWG. Grace Puck Lights may be wired to any other Grace or Crystal fixture.



FILTER OPTIONS



The Lighting Division



Life In LED Light

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Made In USA
of U.S. and
imported parts

TLD-203-12-14

We recommend the use of 16-20 AWG for Grace Puck Fixtures. Note the red mark to one side of the terminal. This indicates the positive voltage wire position. Simply strip 1/4 inch of the insulation from your wire; insert the wire into the opening immediately below the screw head, and secure by turning the screw clockwise with a small flathead (eyeglass repair type) screwdriver. When the screw stops turning, tug lightly on the wire to check retention. To remove the wire from the terminal, back out the screw with the screwdriver by turning in the counterclockwise direction. Secure the ground wire in the same fashion to the other position in the terminal.

TLD Power Supply	Type	Wattage	Maximum Number of Grace Puck Lights*
TLD-6WSI	Wall Adapter	6	1
TLD-24WSI	Wall Adapter	24	7
TLD-30WSO	Hard Wired	30	9
TLD-40WSI	Laptop	40	11
TLD-60WSO	Hard Wired	60	17
TLD-75WSO	Hard Wired	75	21

* Each Puck Consumes 3.5 Watts

When connecting a second Grace Puck Light Fixture, use the opposite terminal to connect to either terminal strip of the next fixture. Be sure to keep the same wire on the red indication for both lights. Finally to connect power, simply place the stripped end of the power supply wire into the end of an open Grace fixture terminal. The positive power wire from the power supply is either the red wire, or the white lettered/marked of the pair. You may choose to connect the power to the first fixture and continue wiring with the power remaining on.

Power supplies from The Lighting Division include intelligent features which aid in the electrical installation of your system. If at any time no lights remain on while installing, check the last connection - it may be reversed or shorted. If the lights blink on and off, the load has exceeded the capacity of the power supply, or a connection just made is reversed.

Adding Switch and Dimming

You can control your Grace Puck Lights by:

1. Switching the power on/off to power supply
2. Installing a low-voltage switch (TLD-SW1) between the power supply and the fixture(s)
3. Installing an under-cabinet dimmer module (TLD-DM-U) between the power supply and the fixtures
4. Installing an under-cabinet high-low switch (TLD-DM-HL) between the power supply and the fixture(s)
5. Installing a wireless dimming module (TLD-CWD) with most dimming control systems
6. Installing a wireless dimming module (TLD-WD) and wall control (TLD-WDC-xx) or remote control (TLD-WHC-xx)

More information on switching and dimming is available from your dealer or our web site.

Note: Dimmer controls for 110VAC incandescent lighting are not compatible with Grace Light fixtures