

Operation

Please refer to the [Electrical Installation](#) for proper connection to power and control.

The Silescent® DD3 or HD3 series Low-Voltage LED fixture provides for ON/OFF operation as well as digital dimming input.

The fixture may be operated as standard ON/OFF with only RED and BLACK wires connected.

The DD3 or HD3 LED fixtures may also be digitally dimmed by connection of the YELLOW and PURPLE wires to a Silescent® Digital Dimming Control.

- **DD3:** 12 – 36VDC_{in}, ON/OFF or Digital Control
- **HD3:** 42 – 60VDC_{in}, ON/Off or Digital Control

Important Notes (Please read before Installation)

For use with 24 VDC (DD3) or 48-60 VDC Power Sources

Junction Box

- Any metal 4" octagonal or 4" square, UL approved junction box that is at least 3" deep. (UL approved extensions rings may be used to increase junction box depth)

Wiring Notes

- Always turn off power before installation.
- Install according to national and local electrical codes.

Compatible Controls

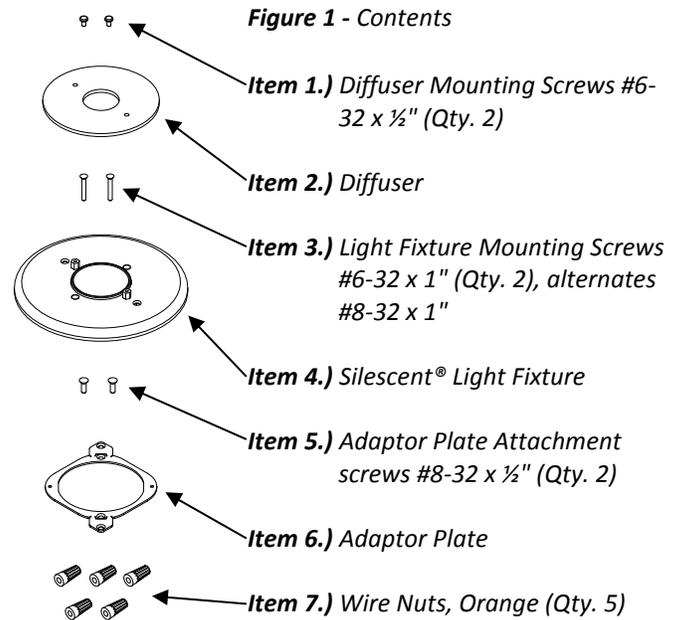
- Silescent® Digital Dimming Control.

Cleaning Instructions

- TURN FIXTURE OFF BEFORE CLEANING.
- The fixture may be cleaned with water only. Do not use solvents to clean the plastic diffuser.

The back of the unit is physically protected by a metal box but is not water sealed, please keep dry. There are no serviceable parts or settings required for this unit.

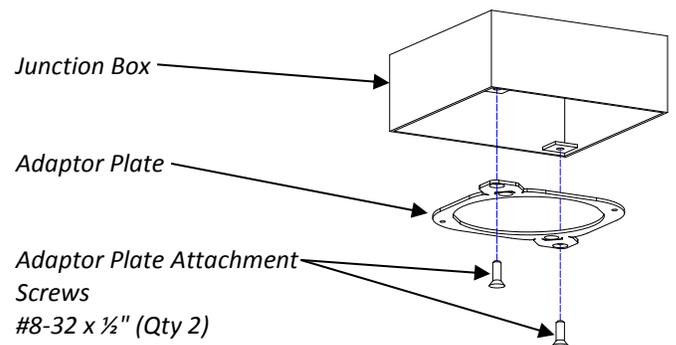
Package Contents and Parts Identification



Pre-Installation

1. **TURN POWER OFF** to the existing fixture.
2. Unpack shipping container and separate components.
3. Install any necessary extension rings.
4. For installations using a 4" square junction box, attach the adaptor plate to the junction box with supplied #8-32 x 1/2" screws. (see Figure 2)
Note: The adaptor plate is not required for octagonal junction box installation, but can be used to aid in aligning the installation. When using the adaptor plate with an octagonal box, break tabs off adaptor plate prior to installation.

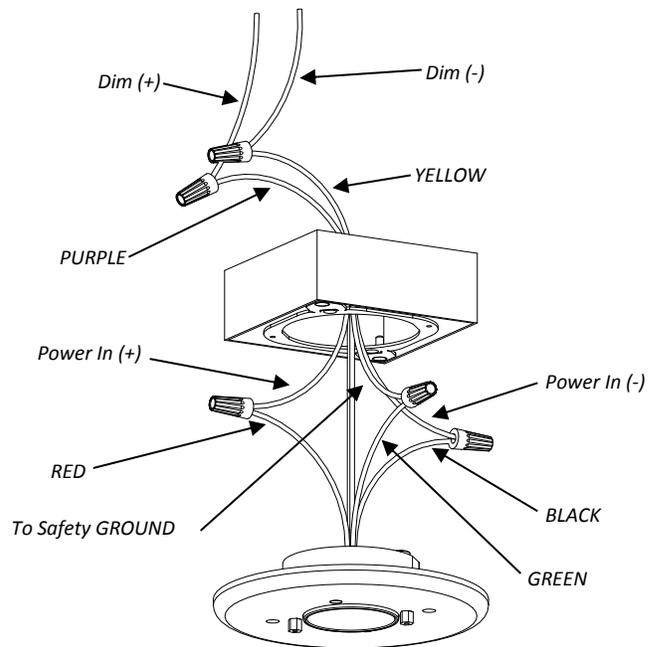
Figure 2 - Adaptor Plate Installation



Electrical Installation

1. Locate the GREEN wire protruding from the back of the light fixture, and connect it to the safety ground. (See Figure 3)
- Note:** The wires are strain relieved and will support the fixture as required during installation. Use the three wire nuts provided or a UL Listed equivalent for all connections.
2. If only ON/OFF control is desired, connect the POSITIVE power lead to the RED wire, and the NEGATIVE power lead to the BLACK wire. If this connection is reversed, the fixture will not work. The PURPLE and YELLOW wires are not used in this configuration, and should be capped. (See Figure 3)
 3. If digital dimming is desired, connect the POSITIVE power lead to the RED wire, and the NEGATIVE power lead to the BLACK wire. Additionally, connect POSITIVE control lead from the Silescent® Dimming Control to the PURPLE wire, and the NEGATIVE control lead to the YELLOW wire. (See Figure 3)

Figure 3 - Electrical Connections (ON/OFF Control and Dimmed)

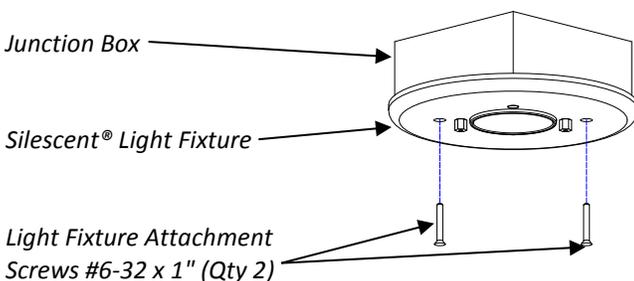


Mechanical Installation

1. Attach the light fixture to the junction box:

After completing the electrical connections, align the lighting fixture so that the two opposing mounting holes align with the adaptor plate or octagonal box mounting provisions (if adaptor plate is used, align the flats on the rear of the fixture with the corresponding flats in the adaptor plate to aid in installation.) Secure the light fixture using the two (2) provided fixture mounting screws. Do not over tighten fasteners. (See Figure 4)

Figure 4 - Mounting Light Fixture to Junction Box



2. Attach the Diffuser to the Light Fixture

Align the diffuser with the mounting provisions in the fixture and secure using the two (2) provided Diffuser Mounting Screws. Do not over tighten screws. (See Figure 5)

Figure 5 - Mounting the Diffuser

