

Operation

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

The Silescent® LP3/HS3/HN3 S-Series Line-Voltage LED Fixtures provide for ON/OFF operation as well as multiple dimming inputs.

The LED fixture may be operated as standard ON/OFF, or as phase dimmed (LP3 only) with only WHITE and BLACK wires connected and use of standard wall switch and/or a standard triac dimmer.

The LP3 or HS3 LED fixtures may also be digitally dimmed (SimpleNet) by connection of the YELLOW and PURPLE wires to a Silescent® Digital Dimming Control.

- **LP3:** 120VAC_{in}, ON/OFF, Phase or Digital Control
- **HS3:** 208-277VAC_{in}, ON/Off or Digital Control
- **HN3:** 208-277VAC_{in}, ON/OFF only

Important Notes (Please read before Installation)

For use with 120VAC (LP3) or 277VAC (HS3/HN3), 50-60Hz Supply Power

Junction Box

- Any metal 4" octagonal or 4" square, UL approved junction box that is at least 2-1/8" deep. (UL approved extensions rings may be used to increase junction box depth if required).

Wiring Notes

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

Compatible Controls

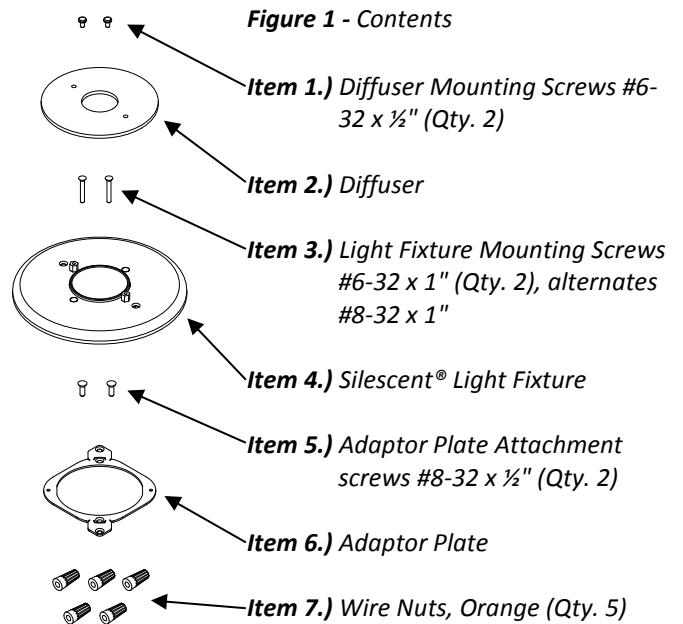
- UL approved 120-277 VAC ON/OFF switch.
- Most standard UL approved triac based incandescent wall dimmers up to 45% of rated dimming load. Silescent recommends reverse phase for reactive LED loads.
- Silescent® Digital Dimming TouchControl.

Cleaning Instructions

- TURN LIGHT OFF BEFORE CLEANING.
- The light 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

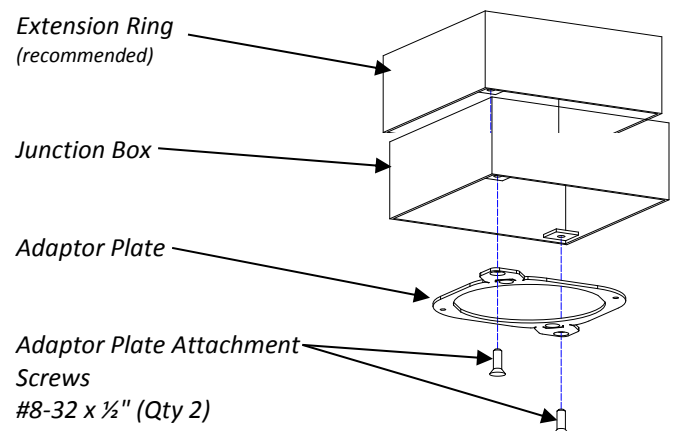


Pre-Installation

1. **TURN POWER OFF** to the existing light.
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



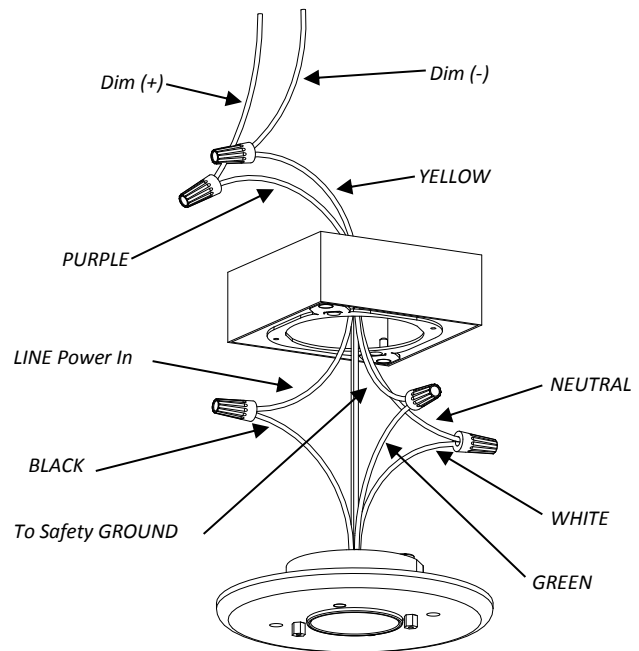
Electrical Installation

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 light as required during installation. Use the three wire nuts provided or a UL Listed equivalent for all connections.

2. If ON/OFF or triac phase dimming is desired, connect the line power lead to the BLACK wire, and the neutral power lead to the WHITE wire. If this connection is reversed, the light will work, but not as efficiently. The PURPLE and YELLOW wires are not used in this configuration, and should be capped. (See Figure 3)
3. If digital dimming is desired, begin by connecting the line power lead to the BLACK wire, and the neutral power lead to the WHITE wire. Additionally, connect POSITIVE lead from the Silescent® Dimming Control to the PURPLE wire, and the NEGATIVE dimming lead to the YELLOW wire. (See Figure 3)

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



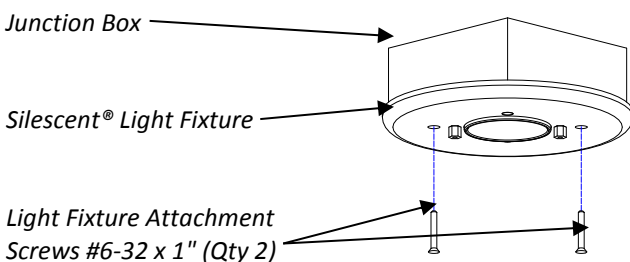
Mechanical Installation

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 provided fixture mounting screws. Do not over tighten fasteners. (See Figure 4)

➤ *Note: If threads of sheet-metal or self-tapping screws extend into a wiring compartment for a distance of more than 5 mm (0.2 in), the conductors shall be reliably positioned away from the projecting screws, or the conductors shall be sufficiently loose to prevent damage to the insulation.*

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 provided Diffuser Mounting Screws. Do not over tighten screws. (See Figure 5)

Figure 5 - Mounting the Diffuser

