
**LOOM Stellar & Stratosphere size Ø310mm (12") Suspended
MODELS D310-STE-SUS-XXXX and D310-STR-XXXX (with B+L DRIVER)
INSTALLATION INSTRUCTIONS**

READ THIS FIRST

IMPORTANT SAFETY INSTRUCTIONS:

- a) Read all instructions before installing the light fixture ("luminaire").
- b) If the light fixture has been provided with protective release film on the light guide diffuser, do not remove until installation is complete. If the release film has been removed, handle the light fixture only by the metal housing parts: do not grab the light guide with bare hands. Instead, use the gloves provided to handle the light guide to prevent transferring fingerprints or scratches to the light guide.
- c) For dry-location interior use only. Do not install in wet or damp locations.
- d) Do not conceal or extend exposed conductors through a building wall.
- e) To reduce the risks of fire and burns, do not install this lighting system where the exposed bare conductors can be shorted or contact any conductive material.
- f) To reduce the risk of fire and overheating, make sure all connectors are securely fastened.
- g) Do not install any luminaire closer than 6 inches from any curtain, or similar combustible material.
- h) Turn off electrical power before installing or modifying the lighting system in any way.
- i) Do not install any part of this system less than 7ft (2.15m) above the floor; the Class 2, low-voltage power suspension cables used in this product are UL rated for installation at a minimum height of 7ft (2.15m) above the floor.

Caution

Check to see if you need a permit. Observe applicable building and electrical codes. Contact a licensed electrician if you have any doubts or questions about the connections, or if your home's wiring doesn't appear compatible with the changes you're making.

Required tools

- Slot screwdriver or #3 Robertson screwdriver (red handled)
- 3/32 hex key
- Optional: Wire cutters and strippers (only if junction box wires need to be stripped)
- Optional: stainless steel cable cutter, if cutting the low-voltage power cables to length is required

Step 1 – Turn off power

- 1.1 In your electrical circuit panel, locate the circuit breaker control for the room where you'll be working, and switch the circuit off. Also, turn off the light's wall switch.
- 1.2 If the circuits in your panel aren't labeled, turn on the existing light, and turn off the power to each circuit until the light goes out. Leave the power off, and label this circuit breaker for future reference. Also, turn off the light's wall switch.

Step 2 - If there is one, remove the old fixture

- 2.1 Remove the old fixture. Remove and discard the old wire connectors ("marrettes" or "wire-nuts").
- 2.2 Disconnect the fixture wires from the installed wires in the junction box (electrical box in ceiling).

Step 3 - Tighten junction box mounting screws

- 3.1 Check the junction box in the ceiling where the fixture is to be attached, to see if it is secure or loose. If the junction box is loose, re-secure with screws. The junction box must be securely attached to the building structure to support the weight of the fixture.

Step 4 - Check existing wiring in junction box

- 4.1 The neutral (white jacketed wire) and switch leg (line voltage, black jacketed wire) wires must be a minimum of 6 inches in length within the junction box. Therefore, it may be necessary to add 14/2 gauge insulated copper wire using marrettes (wire-nuts) to connect to the cable in the junction box for added length.

- 4.2 The junction box must also be grounded or attached to a ground wire in the ceiling; make sure the ground wire (bare copper, or green jacketed) is fastened to the junction box. If you have doubts about the suitability of the existing box or concerns about electrical connections, contact a licensed electrician.

Step 5 – Install and secure mounting bracket

- 5.1 Make sure the mounting bracket provided can be mounted to the junction box; LOOM mounting brackets can be mounted to a wide-variety of junction boxes.
- 5.2 Orient the mounting bracket with its side flanges facing away from the ceiling.
- 5.3 Feed the black and white jacketed wires found in the junction box through the wire passage hole in the mounting bracket.
- 5.4 Using the two 8-32 screws provided, loosely fasten the mounting bracket to the junction box. The mounting bracket has slots that permit it to rotate it into a desired position when the screws are loose; the position will determine the orientation of the canopy and the fixture.
- 5.5 Once the desired position has been determined, securely fasten the mounting bracket to the junction box prior to installation of the light fixture canopy.



Figure 1

Step 6 – Connecting power and dimming wires

- 6.1 Locate the black jacketed and white jacketed wires on the 'INPUT' side of the power supply in the canopy, and the black jacketed 'switch leg' wire and the white jacketed 'neutral' wire from the junction box. Using marrettes (wire-nuts), connect the black wire from the power supply to the black wire from the junction box, and the white wire from the power supply to the white wire from the junction box.
- 6.2 If the fixture is to be connected to 0-10v dimming switches, connect the purple and grey dimming wires as per the dimming switch instructions. If no dimming is being used, or if the fixture is to be connected to phase dimming (TRIAC, ELV) switches, use the marrettes (wire-nuts) provided to cap the purple and grey dimming wires (if they are present). For either dimming type, connect the power supply as per the instructions provided with the dimming switch.

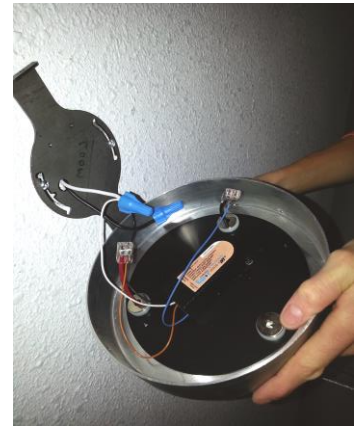


Figure 2

Step 7 - Connect the fixture canopy to the mounting bracket

- 7.1 Using a 3/32 hex key, align the holes on the side of the fixture canopy with those on the mounting bracket flanges. Connect the canopy to the mounting bracket using the two flat head screws provided.

Step 8 - Connect the power suspension cables to the luminaire

- 8.1 Identify the positive and negative cable grippers on the top of the luminaire, marked by the + and – symbols respectively. These cable grippers are disposed to retain power-suspension cables from the canopy inserted into them; an unmarked cable gripper is to retain a non-powered suspension cable.
- 8.2 Identify the positive cable from the canopy, marked by the red tape, and the negative cable, marked by the blue tape; these two are power-suspension cables; the unmarked third cable is non-powered and for suspension only. Insert the suspension only cable into the unmarked cable gripper. Then insert the other two cables into their respective grippers (red to positive +, blue to negative -), keeping the cable vertical and preventing them from entwining during assembly. The cables must not cross.
- 8.3 To adjust the cable lengths to level the luminaire, push the plunger on the top of each gripper down and push or pull the loosened cable to the desired position.
- 8.4 Remove the red and blue tape markers. If it is necessary to identify the polarity of the cables after the markers have been removed, the power suspension cables are identified in the canopy with a red insulator sleeve (positive) and a black insulator sleeve (negative); the non-powered suspension in not marked with an insulator sleeve.

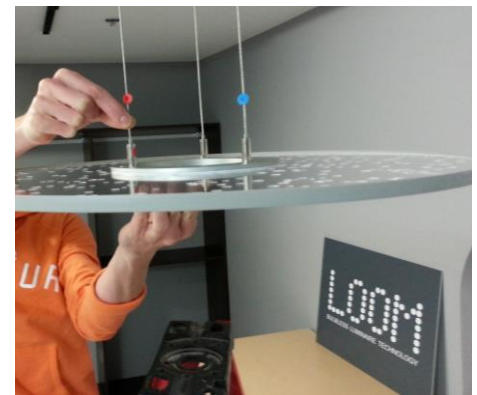


Figure 3

Step 9 – Remove the release film & maintaining the light guide diffuser

- 9.1 With the gloves provided, remove the protective release film from the light-guide diffuser of the light fixture, taking care not to smudge or scratch the light-guide diffuser while doing so.

- 9.2 Remove smudges and dust from the light guide diffuser only with a dry or slightly damp natural chamois (shammy), or Tiger-Cloth and Acrifix cleaner available at www.Acrylite-Shop.com.



Figure 4 (correct cable position)

Your luminaire is now ready to turn on and be experienced!

Dimming switches requirements for LOOM LED Luminaires

The LED driver (the power supply) concealed in the luminaire's ceiling canopy provides smooth dimming with recommended line dimmers (forward-phase TRIAC, or reverse-phase ELV *electronic low-voltage*). Typical household dimmers are made for incandescent lighting and will not work with LED lighting systems. LED lighting requires digital fade dimmers specially designed to work with LED power supplies, typically electronic low-voltage (ELV) models. Not all dimmer models designed for LED lighting work the same with every LED driver, therefore we have tested a select group of dimmers.

Recommended dimmers include: Lutron Maestro (MAELV-600), RadioRa2 (RRD-6NA), or Grafik Eye QS and Graphic Eye 3000 (QSGR-xP, QSGRJ-xP, GRX-3504), and Leviton Vizia+ (VPE0x-1L) or Acenti (ATE0x-1L).

Note: It is important that you refer to the correct model number, since other models under the dimmer family name may be intended for incandescent or fluorescent lighting products and will not work (note: the little 'x' in the code means any letter or number). Problems that can arise from using improper dimmers include irregular lighting levels, flicker, or simply will not work and can damage your luminaire. Approved dimmers will provide smooth dimming throughout the light intensity range.