

LED Vapor Tight Luminaires

Ceiling Mount

120-277VAC / 60Hz

Model #: VTL48AJLAJD2

Safety Precautions

- Read all safety precautions and installation instructions carefully before installing or servicing this fixture. Failure to comply with these instructions could result in potentially fatal electric shock and/or property damage.
- It is recommended that a qualified electrician perform all the wiring. This fixture must be wired in accordance with all national and local electrical codes.
- Do not handle any energized fixture or attempt to energize any fixture with wet hands or while standing on a wet or damp surface or in water.
- This fixture is designed for use in a 120-277VAC / 60Hz circuit. This fixture is compatible with 0-10V dimming circuits.
- Make sure that the power source conforms to the requirements of the fixture. (See labels on the fixture housing).
- To reduce the risk of electrical shock, and to assure proper operation, this fixture must be adequately grounded. To accomplish proper grounding, there must be a separate ground wire (green) contact between this fixture and the ground connection of your main power supply panel.
- This fixture is intended to be used for general outdoor lighting in dry, damp, or wet locations. For wet locations, fixture must be mounted at least 48 inches above ground level. Not suitable for submersion.
- Disclaimer

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules and Canadian ICES-005 (B) / NMB-005 (B). These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiver antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult with the dealer or an experienced radio/TV technician for help.

Any modifications to this fixture may void the warranty and interfere with the safe operation of the luminaire.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Assembly Instructions

Step 1 – Preparing for installation

- Disconnect electrical power** at the fuse or circuit breaker box before installing or servicing any part of this fixture.
- Carefully remove the fixture and parts bag from the carton.
- Remove components from the parts bag.
- Release the cover (2) from the housing (1). Note. The LED plate assembly is secured to the cover and is removed as a single unit. The LED plate remains tethered to the housing (1), as shown in **Figure 1**.
- Identify location of mounting brackets (3) on fixture relative to power source. Holes are supplied for power connection at end or through the top. Fitting (7) supplied if end location is used, **Figure 1**. If top is used for connection, there are two holes to guide locations for drilling, **Figure 2 & 3**. Plug (8) is supplied for end hole if the connection will be through the top.
- Install latches (6) onto the housing (1), 10 places per **Figure 1**.

Step 2 – Mounting fixture

- Select location for mounting the fixture. Two mounting brackets (3) are supplied with drywall anchors (4) & screws (5). Approximate locations shown in Figure 3. 5.4" of adjustment in either direction provided in the housing for mounting bracket (3) locations.
- To locate, hold fixture assembly up to ceiling with power supply hole located over entryway for power supply wires. Mark the locations of the mounting holes for brackets (3) on the ceiling.
- Take the fixture down and punch a small hole into the ceiling at each location using a nail or awl to see if there is a wood joist. Attach to surface using fasteners and sealing washers (not provided) appropriate to ceiling materials.
- If there is a joist, use a suitable wood screw (not provided) to install the mounting brackets (3). Where there is no joist to screw into, use drywall anchors (4) & (5) or toggle bolts (not provided) of suitable length to install the mounting brackets (3) securely to the ceiling.
- Secure the housing (1) to the mounting brackets (3) by pushing the housing upward onto the brackets until it fully engages and locks in place. Ensure the supply conductors are routed through the housing opening.

Wiring – All wiring must take place inside the junction box (not included)

Caution: Make sure power is off at the fuse or circuit breaker box. Check power wires for damage or scrapes. If power supply wires are within three inches of the LED driver, use wire suitable for at least 90°C (194°F).

Note: Most dwellings built before 1985 have supply wire rated to 60°C. Consult a qualified electrician to ensure correct branch circuit conductor before installing.

Step 3 – Wiring fixture

- Make all wire connections to appropriate wire. Secure with wire nuts (provided).
- Connect the green wire from the fixture to the supply power source ground wire.
- For non-dimming. Connect the white wire from the fixture to the white (N) wire from the supply power source. Connect the black wire from the fixture to the black (L) wire from the supply power source. Pink and purple wires are not to be used and must be individually capped to prevent shorting.

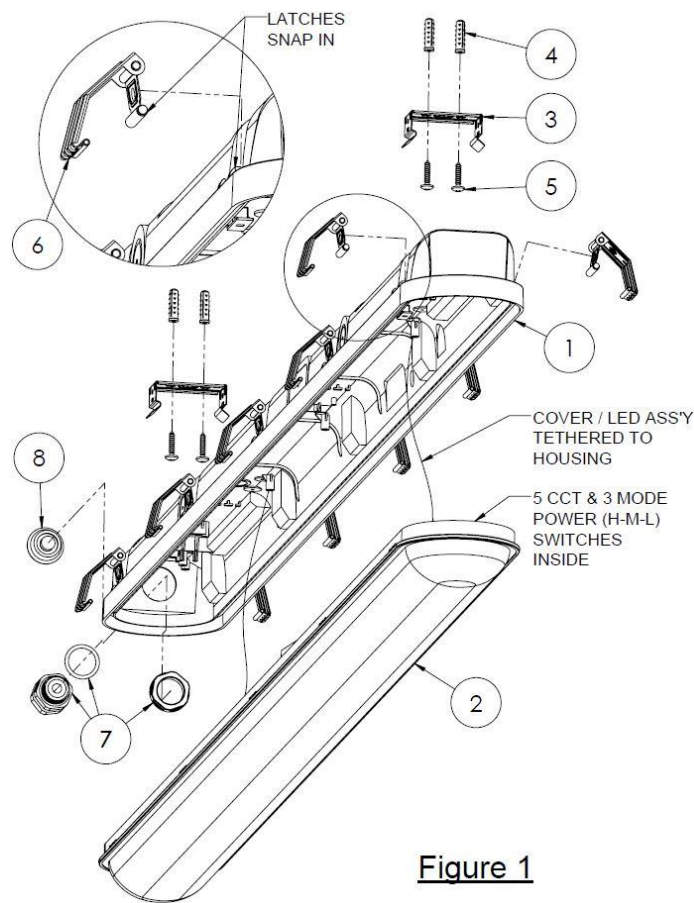


Figure 1

View shown for reference only. Individual models may vary.

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- D. For 0-10V dimming. Connect the pink wire from the fixture to the dimmer source gray or pink wire. Connect the purple wire from the fixture to the dimmer source purple wire. Connect the white wire from the fixture to the neutral (N) wire from the dimming supply power source per dimmer wiring instructions. Connect the black wire from the fixture to the control line (L) wire from the dimmer supply power source per dimmer wiring instructions
- E. **Do not mix wires.** Pull on each wire lead to make sure connections are secure. Make certain no bare wires are exposed outside of wire connectors.

Step 4 – Color changing temperature adjustment, CCT (if desired)

- A. CCT switch is located inside the fixture behind the LED plate. Adjust the switch to desired color temperature of 3000K, 3500K, 4000K, 5000K, or 6500K as shown below. Note: Fixture is preset to 3000K from factory.

Step 5 – Power mode adjustment, H-M-L (if desired)

- A. Power mode switch is located on the LED driver module behind the LED plate. Adjust the switch to desired power output of High, Medium, or Low (50W / 40W / 30W). Note: Fixture is preset to Medium (40W) from factory.

• 3000K
• 3500K
• 4000K
• 5000K
• 6500K

Step 6 – Cover installation

- A. Install the cover assembly (2) onto the housing (1) by securing latches (6), rotating/alternating around edge of housing and capturing diffuser with rounded lip. Snap latches closed. Ten latches total.

Step 7 – Restore power at the fuse or circuit breaker box

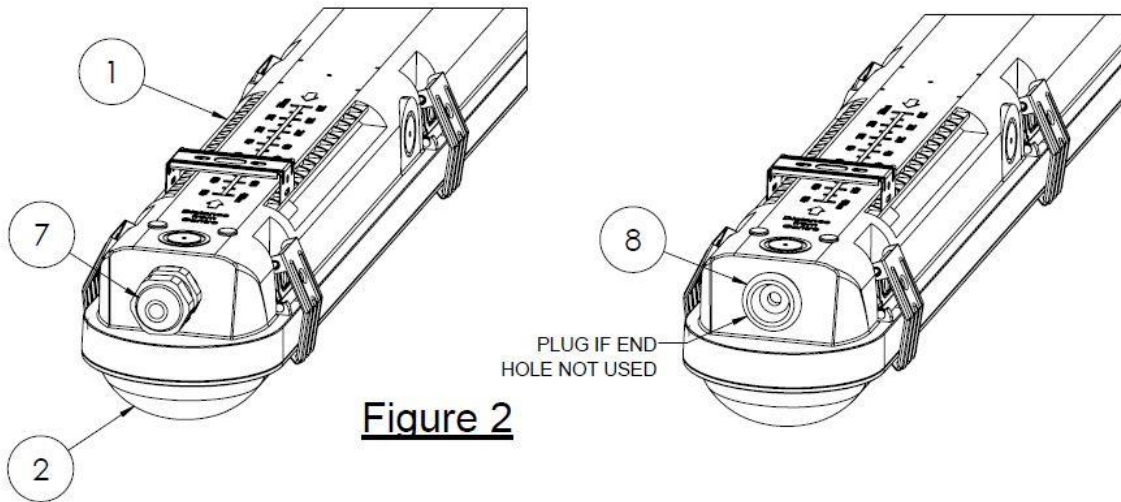


Figure 2

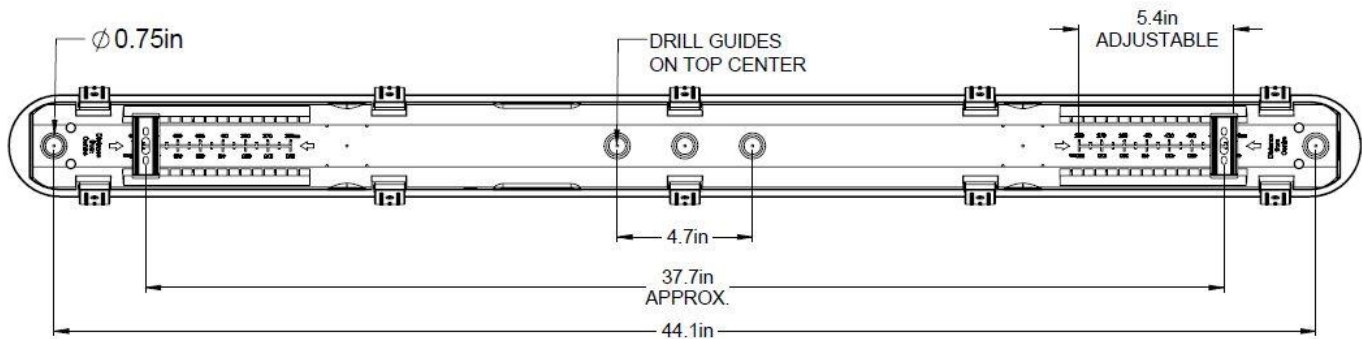


Figure 3

Limited Factory Warranty

AFX Inc. hereby warrants that this fixture is free from defects in materials and workmanship when installed and used under normal operating conditions for a period of 5 years from date of purchase. This warranty covers all component parts and extends only to replacement of defective fixture or components; it does not cover failure due to improper installation, misuse, mishandling or damage incurred in transit.