

# LED Indoor Luminaires Ceiling Mount 120VAC, 50/60Hz

Part #: LWL07242500LAJD1  
LWL07483000LAJD1  
LWL07485000LAJD1

## 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 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 120VAC, 50/60Hz circuit. This fixture is compatible with a TRIAC (forward-phase or leading-edge) / ELV (reverse-phase or trailing-edge) dimmer.
- 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 indoor lighting in dry or damp locations.

### 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.

- Please contact AFX Engineering Dep for FCC report at AFX, Inc., 2345 N. Ernie Krueger Circle, Waukegan, IL, USA or Telephone: 1-847-249-5970.

## Assembly Instructions

### Step 1 – Preparing for installation

- Disconnect electrical power** at fuse or circuit breaker box before installing or servicing any part of this fixture.
- Carefully remove the fixture from the carton, remove components from hardware kit.
- Separate diffuser (5) and channel cover (4) from the fixture (1).
- Select appropriate knockout and remove for wiring connections.
- Hold fixture channel (1) up to ceiling with power supply knockout located over entryway for power supply wires. Mark the locations of the mounting holes on the ceiling. Take the channel down and punch a small hole into the ceiling at each location using a nail or an awl to see if there is a wood joist. If there is a joist, use a suitable wood screw to mount the channel. Where there is no joist to screw into, use a 1/4" toggle bolt (not included) of suitable length to mount channel securely to the ceiling.
- Feed all supply wires through the knockout and install the fixture to the junction box (not included) using two screws (2) and add two wood screws (3) at the previously marked locations.

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

**Caution:** Make sure power is off at 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 2 – 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 none-dimming fixture.** Connect the white wire from the fixture to the white (N) wire from supply power source. Connect the black fixture wire to the black (L) wire from supply power source.
- For TRIAC dimming.** Connect the white wire from the fixture to the white (N) wire from dimming source per dimmer wiring instructions. Connect the black wire from the fixture to the black (L) wire from dimmer supply power source per dimmer wiring instructions.
- 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. Tuck all connections neatly into the junction box.

### Step 3 – Color changing temperature adjustment (CCT – if desired)

- Adjust the CCT switch on each LED board to switch color temperature between 3000K and 4000K as shown in the figure below. All boards must be set the same way. Note: fixture is preset to 3000K from factory. Power to fixture must always be turned OFF prior to adjusting CCT switches.

#### COLOR TEMPERATURE ADJUSTMENT SETTING



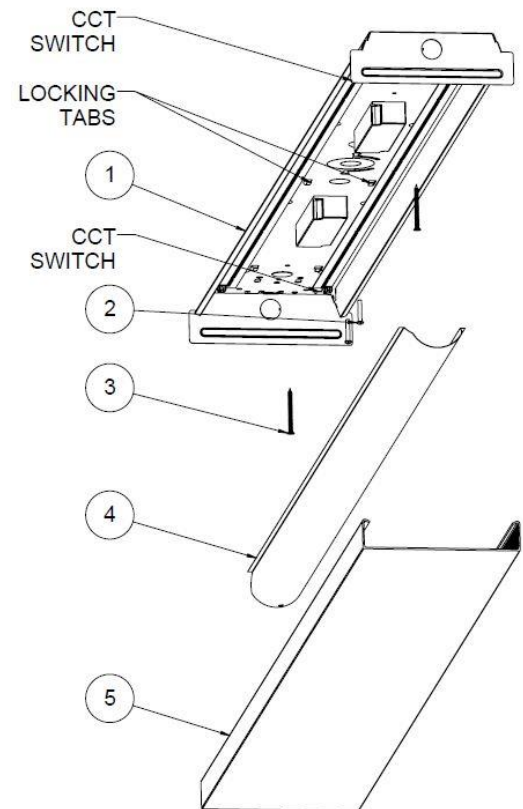
### Step 4 – Diffuser mounting

- Install channel cover (4) by squeezing and snapping into place using locking tabs along the center of the fixture (1).
- Install diffuser (5) by hooking one side of the diffuser onto channel (1) flange. Then swing the other side of the diffuser up to catch the flange of the opposite side. Make sure it is even and secure to the fixture.

### Step 5 – Restore power at fuse or circuit breaker box

#### Limited Factory Warranty

This product is manufactured by AFX Inc. 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. For questions, please call AFX 1-800-873-2326.



View shown for reference only.  
Individual models may vary.

# LED Indoor Luminaires Ceiling Mount 120-277VAC, 50/60Hz

Part #: LWL07242500LAJD2  
LWL07483000LAJD2  
LWL07485000LAJD2

## 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 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, 50/60Hz circuit. This fixture is compatible with a 0-10V dimmer.
- 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 indoor lighting in dry or damp locations.
- 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.

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## Assembly Instructions

### Step 1 – Preparing for installation

- Disconnect electrical power** at fuse or circuit breaker box before installing or servicing any part of this fixture.
- Carefully remove the fixture from the carton, remove components from hardware kit.
- Separate diffuser (5) and channel cover (4) from the fixture (1).
- Select appropriate knockout and remove for wiring connections.
- Hold fixture channel (1) up to ceiling with power supply knockout located over entryway for power supply wires. Mark the locations of the mounting holes on the ceiling. Take the channel down and punch a small hole into the ceiling at each location using a nail or an awl to see if there is a wood joist. If there is a joist, use a suitable wood screw to mount the channel. Where there is no joist to screw into, use a 1/4" toggle bolt (not included) of suitable length to mount channel securely to the ceiling.
- Feed all supply wires through the knockout and install the fixture to the junction box (not included) using two screws (2) and add two wood screws (3) at the previously marked locations.

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

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### Step 2 – 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 none-dimming fixture.** Connect the white wire from the fixture to the white (N) wire from supply power source. Connect the black fixture wire to the black (L) wire from supply power source. Gray and purple wires are not to be used and must be individually capped to prevent shorting.
- For (0-10V) dimming.** Connect the gray wire from the fixture to the dimmer source gray wire. Connect the purple wire from the fixture to the dimmer source purple wire. Connect the white wire from the fixture to the white (N) wire from dimming source per dimmer wiring instructions. Connect the black wire from the fixture to the black (L) wire from dimmer supply power source per dimmer wiring instructions.
- 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. Tuck all connections neatly into the junction box.

### Step 3 – Color changing temperature adjustment (CCT – if desired)

- Adjust the CCT switch on each LED board to switch color temperature between 3000K and 4000K as shown in the figure below. All boards must be set the same way. Note: fixture is preset to 3000K from factory. Power to fixture must always be turned OFF prior to adjusting CCT switches.

#### COLOR TEMPERATURE ADJUSTMENT SETTING



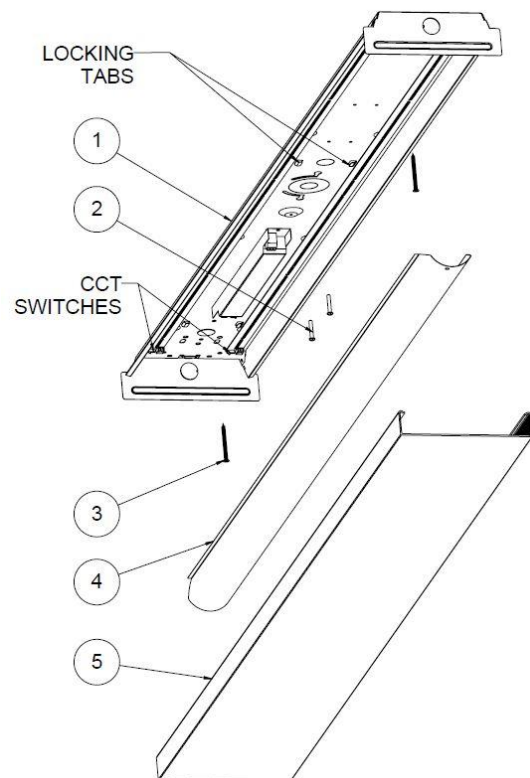
### Step 4 – Diffuser mounting

- Install channel cover (4) by squeezing and snapping into place using locking tabs along the center of the fixture (1).
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