



12146-6R INSTALLATION INSTRUCTIONS FOR: Architectural 6-Light Round Canopy LED Tube Suspension Light

Installation Instructions and Safety Precautions

Safety Precautions

- Read First: Carefully read all safety precautions and installation instructions before installing or servicing this fixture. Failure to follow these instructions could result in electric shock, injury, or property damage.
- Qualified Installation: All wiring should be performed by a qualified electrician and must comply with national and local electrical codes.
- Electrical Requirements: This fixture is designed for use with a 120-277VAC / 60Hz circuit. It is compatible with TRIAC (forward-phase/leading-edge), ELV (reverse-phase/trailing-edge), and 0-10V dimmers.
- Power Source: Ensure the power source matches the fixture's requirements (refer to labels on the fixture housing).
- Grounding: To reduce the risk of electric shock and ensure proper operation, the fixture must be properly grounded. Use the green ground wire to connect the fixture to the ground connection in your main power supply panel.
- Intended Use: This fixture is designed for general indoor lighting in dry or damp locations only.

Important Notices

- Modifications: Any changes or modifications not expressly approved may void the user's authority to operate this equipment and the warranty.
- FCC Compliance: This equipment complies with FCC Part 15 and Canadian ICES-005 (B) / NMB-005 (B) regulations. It is classified as a Class B digital device designed to limit harmful interference in residential installations.
- Potential Interference: If interference to radio or television reception occurs, try the following steps:
 - Reorient or relocate the receiving antenna.
 - Increase the distance between the fixture and the receiver.
 - Connect the fixture to a different circuit than the receiver.
 - Consult a dealer or an experienced radio/TV technician for assistance.

Operation Conditions

- This device must operate under the following conditions:
 - It must not cause harmful interference.
 - It must accept any interference received, including interference that may cause undesired operation.

By adhering to these instructions, you ensure safe installation and optimal operation of your fixture. For further assistance, contact





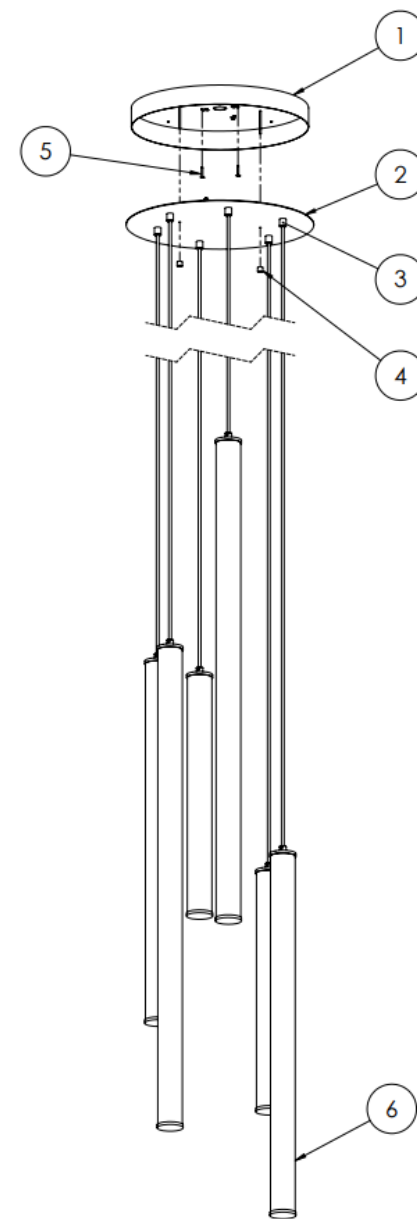
Installation Instructions

Step 1 – Preparing for Installation


- Power Off: Turn off electrical power at the fuse or circuit breaker box before starting installation or servicing the fixture.
- Unpack Fixture: Carefully remove the fixture from the carton and take out all components from the hardware kit.
- Mount Pan to Junction Box:
 - Attach the pan (1) to the junction box (not included) using two screws (5).
 - Mark the locations of the four additional mounting holes on the ceiling.
 - Remove the pan (1) and use a nail or awl to create a small hole at each marked location to check for wood joists:
 - If a joist is present: Use suitable wood screws to secure the pan (1).
 - If no joist is present: Use wall anchors to securely mount the pan to the ceiling.

Step 2 – Installing Pendants to the Cover Plate (2)

- Identify Components:
 - Refer to Table 1 on page 3 to identify the appropriate pendant tubes (4ft, 3ft, or 2ft) based on canopy size and shape.
- Install Pendants:
 - Pull the cord of each pendant through the canopy strain relief (3).
 - Adjust the cord to the desired height and tighten the strain relief screw.
 - Tie a UL knot on the top side of the cover plate to prevent the cord from slipping.
- Repeat Installation: Repeat Step 2 for all pendants.
- Connect Low Voltage Wires:
 - Refer to Table 1 on page 3 for correct wiring connections.
 - Important:
 - Match low voltage DC wires from each pendant's cord to its corresponding LED driver output wires:
 - Cord white wire → LED driver red (+) wire
 - Cord black wire → LED driver black (-) wire
 - Use the provided wire nuts to secure connections
 - Caution: Ensure DC wires and AC wires are not mixed.



WARNING: RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY IN ACCORDANCE WITH NATIONAL, LOCAL BUILDING AND ELECTRICAL CODES. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.



Step 3 – Wiring the Fixture

- Wire Connections:
 - Connect all wires inside the junction box (not included) using wire nuts provided.
 - Follow these connections:
 - Fixture Ground: Green wire from the fixture → Ground wire from the supply • LED Driver Input (AC):
 - Black wire (AC) → Black (L) wire from supply power source.
 - White wire (AC) → White (N) wire from supply power source.
 - Ensure all connections are secure and no bare wires are exposed.
- Safety Check:
 - Tug on wire connections to confirm they are tight.
 - Tuck all wires neatly into the junction box.

Step 4 – Installing the Cover Plate

- Align the mounting holes on the fixture cover plate (2) with the screws on the pan (1).
- Secure the cover plate using two or three finials (4), depending on canopy size.

Step 5 – Restoring Power

- Turn the power back on at the fuse or circuit breaker box.
- Test the fixture to ensure it operates correctly.

Important Notes:

- Wiring Temperature Rating: If power supply wires are within 3 inches of the LED driver, they must be rated for at least 90°C (194°F). Most homes built before 1985 use 60°C-rated wires. Consult a qualified electrician to verify branch circuit compatibility.
- Caution: Follow all safety precautions and ensure proper installation to avoid electrical hazards.

Table 1

Round 6 lights: Figure 1		
Fixture	LED Driver P/N	Port Diagram
2ft	LKD-24H600-MVTD-7	1
2ft	LKD-24H600-MVTD-7	4
3ft	LKD-28H700-MVTD-7	2
3ft	LKD-28H700-MVTD-7	5
4ft	LKD-36H900-MVTD-7	3
4ft	LKD-36H900-MVTD-7	6

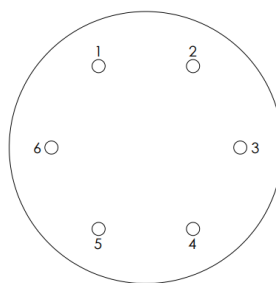


FIGURE 1
COVERPLATE PORT LAYOUT