

Emerald P401TSW

Emerald P401TSW 6-Inch Recessed Ceiling Light Fixture Kit

User Manual

1. INTRODUCTION

This manual provides detailed instructions for the safe installation, operation, and maintenance of your Emerald P401TSW 6-inch Recessed Ceiling Light Fixture Kit. Please read all instructions carefully before beginning installation and retain this manual for future reference. Proper installation is crucial for safety and optimal performance.

2. SAFETY INFORMATION

WARNING: RISK OF ELECTRIC SHOCK. Disconnect power at the circuit breaker or fuse box before installation or servicing. Failure to do so may result in serious injury or death.

- All electrical connections must be in accordance with local codes, ordinances, and the National Electric Code (NEC).
- Consult a qualified electrician if you are unsure about wiring procedures.
- Wear safety glasses and gloves during installation.
- Ensure the fixture is properly grounded.
- Do not install insulation within 3 inches of the fixture housing.
- This fixture is designed for indoor use in dry or damp locations only.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Recessed Housing (1)
- White Trim Ring (1)
- Frosted Glass Diffuser (1)
- Mounting Hardware (screws, wire nuts)
- Instruction Manual (this document)



Image: Components of the Emerald P401TSW recessed light kit, showing the housing, white trim, and frosted glass diffuser.

4. TOOLS REQUIRED

The following tools are typically required for installation:

- Phillips Head Screwdriver
- Flat Head Screwdriver
- Wire Strippers
- Measuring Tape
- Pencil
- Drill with Hole Saw (6-1/4 inch recommended for a snug fit)
- Utility Knife (optional, for drywall)
- Safety Glasses

5. INSTALLATION INSTRUCTIONS

Follow these steps carefully to install your recessed light fixture. This kit is designed for both new construction and remodel applications.

Step 1: Prepare for Installation

1. **Turn off power:** Locate the circuit breaker or fuse box controlling the area where you will install the fixture and turn off the power. Verify power is off using a voltage tester.
2. **Determine location:** Choose a suitable location on the ceiling, ensuring there are no obstructions (joists, pipes, wires) behind the drywall.
3. **Mark and cut hole:** Using a measuring tape and pencil, mark the center of your desired fixture location. Use a 6-1/4 inch hole saw to cut a circular opening in the drywall. *Note: A slightly larger hole (e.g., 6-3/8 inch) may be necessary for easier installation and to prevent drywall damage, as reported by some users. Test fit before final wiring.*

Step 2: Wiring the Fixture

4. **Open junction box:** Open the access plate on the fixture's junction box.
5. **Connect wires:** Feed the electrical supply wires through the knockout hole into the junction box. Using wire nuts, connect the wires as follows:

- Connect the **black** (hot) wire from the supply to the **black** wire of the fixture.
 - Connect the **white** (neutral) wire from the supply to the **white** wire of the fixture.
 - Connect the **bare copper** or **green** (ground) wire from the supply to the **green** ground screw or wire in the junction box.
6. **Secure wiring:** Ensure all connections are secure. Carefully tuck all wires and wire nuts into the junction box and close the access plate.

Step 3: Installing the Housing

7. **Insert housing:** Carefully push the recessed housing up into the ceiling opening.
8. **Secure housing:** The housing features spring clips or tension clips. Push these clips outwards and upwards to secure the housing firmly against the ceiling drywall. Ensure the housing is flush and level with the ceiling surface. *If the housing does not sit level, it may require minor adjustment or shimming before proceeding.*

Step 4: Installing the Trim and Glass

9. **Install bulb:** Screw in the appropriate bulb (not included) into the socket. Refer to the specifications section for bulb type and wattage.
10. **Attach glass diffuser:** Place the frosted glass diffuser into the trim ring.
11. **Install trim:** Align the trim ring with the housing. The trim typically has torsion springs or clips that attach to brackets inside the housing. Gently push the trim upwards until it snaps securely into place, flush with the ceiling.

Step 5: Final Steps

12. **Restore power:** Turn the power back on at the circuit breaker or fuse box.
13. **Test fixture:** Turn on the light switch to ensure the fixture is operating correctly.

6. OPERATING INSTRUCTIONS

Once installed, the Emerald P401TSW recessed light fixture operates like any standard ceiling light. Control it using a wall switch connected to the circuit. To replace the bulb, ensure power is off, allow the bulb to cool, then unscrew the old bulb and screw in a new one of the correct type and wattage.

7. MAINTENANCE

- **Cleaning:** Disconnect power before cleaning. Wipe the trim and glass diffuser with a soft, damp cloth. Do not use abrasive cleaners or solvents, as they may damage the finish.
- **Bulb Replacement:** Always turn off power before replacing a bulb. Allow the bulb to cool completely. Use only bulbs that meet the specifications listed in this manual.
- **Inspection:** Periodically inspect the fixture for any signs of damage or loose connections. If any issues are found, disconnect power and consult a qualified electrician.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Light does not turn on	No power to fixture Loose wire connection Faulty bulb	Check circuit breaker/fuse Verify all wire connections are secure (power off) Replace bulb
Light flickers	Loose wire connection Incorrect bulb type Dimmer incompatibility	Check wire connections (power off) Ensure correct bulb type and wattage Verify dimmer is compatible with bulb type
Fixture is not flush with ceiling	Improperly seated clips Hole cut too small	Re-seat spring clips firmly Carefully enlarge hole slightly if necessary (power off)

9. SPECIFICATIONS

- **Model:** P401TSW
- **Fixture Type:** Recessed Ceiling Light Kit
- **Size:** 6-inch (nominal opening)
- **Trim Finish:** White
- **Glass:** Frosted Diffuser
- **Voltage:** 120V AC, 60Hz
- **Bulb Type:** Incandescent, LED, or CFL compatible (bulb not included)
- **Max Wattage:** 60W (or equivalent LED/CFL)
- **Location Rating:** Dry or Damp

10. WARRANTY INFORMATION

This Emerald product is covered by a limited warranty against defects in materials and workmanship. Please refer to the warranty card included with your purchase or visit the manufacturer's website for specific terms and conditions. Keep your proof of purchase for warranty claims.

11. CUSTOMER SUPPORT

For technical assistance, missing parts, or warranty inquiries, please contact Emerald customer support. Refer to the packaging or the manufacturer's official website for current contact information (phone number, email, or support portal).