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Model: XTL-1-HW/WH

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your National Specialty Lighting XTL-1-HW/WH Xenon Under Cabinet Light. Please read all instructions carefully before beginning installation and retain this manual for future reference.

IMPORTANT SAFETY INSTRUCTIONS

- **Read all instructions:** Ensure you understand all steps before installation or operation.
- **Indoor use only:** This fixture is designed for dry, indoor locations. Do not install in wet or damp environments.
- **Disconnect power:** Always disconnect power at the circuit breaker before installing, servicing, or replacing bulbs.
- **Qualified electrician:** Installation should be performed by a qualified electrician or a person familiar with electrical wiring.
- **Proper grounding:** Ensure the fixture is properly grounded to avoid electrical shock.
- **Voltage:** This fixture operates on 120V AC input, converting to 12V for the Xenon bulb.
- **Bulb type:** Use only the specified 18W T5 Wedge 12V Xenon bulb.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- XTL-1-HW/WH Under Cabinet Light Fixture (1)
- 18W T5 Wedge 12V Xenon Bulb (1)
- Push-in Connectors (for wiring)
- Mounting Hardware (screws)
- Instruction Manual (this document)

SETUP AND INSTALLATION

Tools Required

- Screwdriver (Phillips and/or Flathead)
- Wire Strippers
- Drill (if pre-drilling pilot holes)
- Pencil
- Measuring Tape

Mounting the Fixture

1. **Turn off power:** Locate the circuit breaker controlling the area where the light will be installed and turn off the power. Verify power is off using a voltage tester.
2. **Determine location:** Choose a suitable location under a cabinet, ensuring adequate clearance and access for wiring. The fixture dimensions are 9" L x 4.63" W x 1.25" H.
3. **Mark mounting points:** Hold the fixture in the desired position and mark the mounting screw locations with a pencil.
4. **Secure fixture:** Using the provided mounting screws, attach the fixture securely to the underside of the cabinet.

Electrical Connection (Hardwire)

1. **Prepare wiring:** Route the 120V AC supply wires to the fixture's wiring compartment. Strip approximately 1/2 inch of insulation from the ends of the supply wires (black, white, ground).
2. **Connect wires:** Use the provided push-in connectors to connect the fixture's wires to the supply wires:
 - 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 **green** (ground) wire from the supply to the **green** or bare copper wire of the fixture.
3. **Secure connections:** Ensure all connections are tight and secure. Tuck wires neatly into the wiring compartment.
4. **Install bulb:** Gently insert the 18W T5 Wedge 12V Xenon bulb into the fixture's socket. Avoid touching the glass portion of the bulb with bare hands.
5. **Close diffuser:** Close the frosted glass diffuser lens. It features a simple hinged push-to-open mechanism.
6. **Restore power:** Turn the power back on at the circuit breaker.



Figure 1: Overview of the National Specialty Lighting XTL-1-HW/WH Xenon Under Cabinet Light, showing its compact design and key dimensions (Length: 9 inches, Width: 4.63 inches, Height: 1.25 inches). The image also highlights the frosted glass diffuser and the integrated hi-lo dimmer switch.

OPERATING YOUR LIGHT

The XTL-1-HW/WH fixture is equipped with an integrated hi-lo dimmer switch for adjustable light output.

- **To turn on:** Press the switch to the 'ON' position.
- **To adjust brightness:** The switch typically has a 'HI' and 'LO' setting. Select the desired brightness level.
- **To turn off:** Press the switch to the 'OFF' position.

MAINTENANCE

Bulb Replacement

The Xenon bulb has an average life of 10,000 hours. When replacement is necessary:

1. **Turn off power:** Disconnect power to the fixture at the circuit breaker.
2. **Open diffuser:** Gently push the hinged frosted glass diffuser to open it. No tools are required.
3. **Remove old bulb:** Carefully pull the old 18W T5 Wedge 12V Xenon bulb straight out of its socket.
4. **Install new bulb:** Insert a new 18W T5 Wedge 12V Xenon bulb into the socket. Avoid touching the glass with bare hands; use a clean cloth or gloves if necessary.
5. **Close diffuser:** Close the frosted glass diffuser until it latches securely.
6. **Restore power:** Turn the power back on at the circuit breaker.

Cleaning

To clean the fixture, ensure power is off. Wipe the exterior surfaces with a soft, dry cloth. For stubborn marks, a slightly damp cloth may be used, followed by drying. Do not use abrasive cleaners or solvents.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	No power to the fixture.	Check circuit breaker. Ensure all wiring connections are secure.
	Bulb is faulty or not seated correctly.	Replace bulb or ensure it is fully inserted into the socket.
Light flickers.	Loose bulb or wiring connection.	Ensure bulb is seated firmly. Check wiring connections.
	Incorrect bulb type.	Verify you are using an 18W T5 Wedge 12V Xenon bulb.
Light is dim.	Dimmer switch set to 'LO'.	Adjust the hi-lo dimmer switch to the 'HI' position.

PRODUCT SPECIFICATIONS

Feature	Specification
Model Number	XTL-1-HW/WH
Dimensions (L x W x H)	9" x 4.63" x 1.25"
Light Source	Xenon
Bulb Type	18W T5 Wedge 12V Xenon
Input Voltage	120V AC (Hardwire)
Output Voltage	12V DC (Integrated Transformer)
Wattage	18 Watts
Brightness	1440 Lumens
Color Temperature	Cool White
Finish	White
Material	Aluminum, Brass, Glass
Special Features	Dimmable (Hi-Lo Switch)
Installation Type	Under Cabinet, Wall Mount
Indoor/Outdoor Usage	Indoor Only
Item Weight	1.3 Pounds

WARRANTY AND CUSTOMER SUPPORT

For warranty information or technical assistance, please contact National Specialty Lighting customer support.
Keep your purchase receipt as proof of purchase.
Contact information can typically be found on the manufacturer's official website or on the product packaging.