Satco TK403

Satco TK403 12W LED Round Track Kit Instruction Manual

Model: TK403

1. INTRODUCTION

This instruction manual provides essential information for the safe and efficient installation, operation, and maintenance of your Satco TK403 12W LED Round Track Kit. Please read this manual thoroughly before beginning installation or use, and retain it for future reference.

The Satco TK403 is a 12-watt LED track lighting kit featuring a round design and a white finish, providing 3000K warm white light with a 36-degree beam angle. It is designed for indoor use to provide general room lighting, accentuating specific areas, or highlighting decorative elements.

2. SAFETY INFORMATION

WARNING: Risk of Electric Shock. Disconnect power at the fuse box or circuit breaker before installation or servicing.

- Always turn off the main power supply before installing, cleaning, or performing any maintenance on the fixture.

- Installation must be performed by a qualified electrician in accordance with all local electrical codes and ordinances.

- Ensure the supply voltage is compatible with the fixture's requirements (120 Volts).

- Do not install near any heat sources or in areas with excessive moisture. This product is for indoor use only.

- Do not attempt to modify the fixture. Any modifications may void the warranty and create a safety hazard.

- Handle the fixture with care to avoid damage.

Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Please check your local laws before purchasing this product.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation. If any parts are missing or damaged, contact your retailer or Satco customer support.

- Track Rail (Quantity: 1, approximately 48 inches in length)
- 12W LED Round Track Head (Quantity: 1)
- Mounting Hardware (screws, anchors, etc.)
- Instruction Manual

Figure 1: Illustrative image of a Satco track lighting system. Actual kit contents may vary based on specific model configuration.

4. SPECIFICATIONS

Feature	Specification
Model Number	TK403
Brand	Satco
Power Source	Corded Electric
Voltage	120 Volts
Wattage	12 watts
Number of Light Sources	1
Light Source Type	LED
Color Temperature	3000 Kelvin (Warm White)
Brightness	Approx. 820 Lumens (calculated from wattage and efficiency)
Efficiency	68.33 lumen/watt
Beam Angle	36 degrees
CRI	90
Average Rated Hours	30,000 hours

Feature	Specification
Shape	Round
Finish	White
Material	Metal, Plastic
Product Dimensions	48"L x 3"W x 2.88"H (Track)
Indoor/Outdoor Usage	Indoor
Certification	UL Listed

5. SETUP AND INSTALLATION

Tools Required: Screwdriver, Wire Strippers, Drill, Pliers, Voltage Tester, Safety Glasses.
Before you begin: Ensure the power is OFF at the circuit breaker. Read all instructions carefully.

1. **Prepare the Installation Area:**
   Locate the desired mounting position for the track. Ensure it is a structurally sound surface capable of supporting the fixture's weight. Mark the mounting points for the track rail.

2. **Mount the Track Rail:**
   Drill pilot holes at the marked locations. Secure the track rail to the ceiling or wall using the provided mounting hardware. Ensure the track is firmly attached and level.

3. **Wire the Track:**
   Connect the track's power feed to the junction box wiring. Follow standard electrical wiring procedures: connect live to live (black to black), neutral to neutral (white to white), and ground to ground (green or bare copper to green or bare copper). Ensure all connections are secure with wire nuts.

4. **Install Track Head:**
   Align the track head adapter with the track rail. Insert the adapter into the track and twist to lock it into place. Ensure the contact points on the track head align correctly with the conductors inside the track rail. You should hear a click when it's securely seated.

Figure 2: Example of a track lighting system installed in a living room setting, demonstrating its application.

5. **Adjust Track Head:**

   Once installed, the track head can be rotated and tilted to direct light as desired. Loosen any adjustment screws if necessary, position the head, and then re-tighten.

6. **Restore Power:**

   Once installation is complete and all connections are secure, restore power at the circuit breaker and test the light.

6. OPERATING INSTRUCTIONS

The Satco TK403 Track Kit operates like a standard light fixture. Once properly installed and powered, it can be controlled via a wall switch connected to the circuit. The track head is adjustable to direct light to specific areas.

- **Turning On/Off:** Use the wall switch connected to the track lighting circuit to turn the light on or off.

- **Adjusting Light Direction:** Gently pivot and rotate the track head to aim the light beam. Ensure not to force the movement beyond its natural range of motion.

- **Dimming (if applicable):** If connected to a compatible dimmer switch, the brightness of the LED track head can be adjusted. Refer to your dimmer switch's instructions for proper operation.

7. MAINTENANCE

The Satco TK403 LED Track Kit requires minimal maintenance due to its long-lasting LED technology.

- **Cleaning:** Ensure power is OFF before cleaning. Wipe the fixture with a soft, dry cloth. Do not use abrasive cleaners, solvents, or cleaners containing alcohol, as these can damage the finish or electrical components.

- **LED Replacement:** The LED light source in this fixture is integrated and not designed for user replacement. With an average rated life of 30,000 hours, frequent replacement is not anticipated.

- **Inspection:** Periodically inspect the track and track head for any signs of damage or loose

connections. If any issues are found, disconnect power and consult a qualified electrician.

8. TROUBLESHOOTING

If you encounter issues with your Satco TK403 Track Kit, refer to the following common problems and solutions:

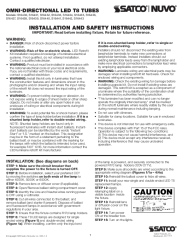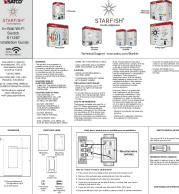| Problem	Possible Cause	Solution
Light does not turn on.	○ No power to the fixture. ○ Loose wiring connection. ○ Track head not properly seated.	○ Check circuit breaker and wall switch. ○ Turn off power, check all wire connections. ○ Turn off power, re-seat track head firmly into the track.
Light flickers.	○ Loose connection. ○ Incompatible dimmer switch (if applicable).	○ Turn off power, check all wire connections and track head seating. ○ Ensure dimmer switch is LED compatible.
Light is dim or inconsistent.	○ Incompatible dimmer switch. ○ Voltage fluctuations.	○ Verify dimmer compatibility. ○ Consult an electrician to check household voltage.

If troubleshooting steps do not resolve the issue, contact Satco customer support or a qualified electrician.

9. WARRANTY AND SUPPORT

The Satco TK403 Track Kit is covered by a **1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.
For warranty claims, technical support, or further assistance, please contact Satco customer service. You may need to provide your proof of purchase and the product model number (TK403).
Manufacturer: Satco|Nuvo Lighting
Website: www.satco.com

Related Documents - TK403

Omni-Directional LED T8 Tubes Installation and Safety Instructions | SATCO

Comprehensive installation and safety guide for SATCO Omni-Directional LED T8 Tubes (Models S16430-S16443). Learn how to safely retrofit existing fluorescent fixtures with these energy-efficient LED tubes, including wiring diagrams and important warnings.

Satco Starfish WiFi Smart Indoor/Outdoor String Lights Model S11272 Installation and Safety Instructions

Comprehensive installation and safety guide for the Satco Starfish WiFi Smart Indoor/Outdoor String Lights (Model S11272). Covers warnings, contents, step-by-step setup, and app connection.

Starfish WiFi Smart 16' Outdoor Strip Light Installation and Safety Instructions (Model S11265)

Get detailed installation and safety instructions for the Satco Nuvo Starfish WiFi Smart 16-foot outdoor LED strip light (Model S11265). Learn about electrical safety, proper mounting, and app connection.

Satco Starfish Wi-Fi Smart LED Bulb User Guide and Integration

Comprehensive guide to setting up, controlling, and integrating Satco Starfish Wi-Fi smart LED bulbs with the Starfish app, Alexa, Google Home, and SmartThings. Includes features like dimming, color changing, scheduling, and automation.

SATCO S11267 Starfish In-Wall Wi-Fi Switch Installation Guide

Installation guide for the SATCO Starfish S11267 In-Wall Wi-Fi Switch. Learn how to install and wire this smart switch for controlling incandescent, CFL, LED, and resistive loads, and motors. Requires a neutral wire. Supports single-pole or 3-way configurations.

Satco Hi-Pro LED Lamps 120-277V Installation and Safety Instructions

Comprehensive installation and safety guide for Satco Hi-Pro LED Lamps (Models S13130-S13136), covering wiring diagrams, safety warnings, and installation procedures for replacing CFL and HPS/HID lamps.