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› Kichler 12 Volt 3000K LED 6" Shallow Shade Path Light (Model 16196BKT30) Instruction Manual

Kichler 16196BKT30

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Instruction Manual

INTRODUCTION

This manual provides essential instructions for the safe installation, operation, and maintenance of your Kichler 12 Volt 3000K LED 6" Shallow Shade Path Light, Model 16196BKT30. Please read these instructions thoroughly before beginning installation and retain them for future reference.

Important Safety Information: Always follow basic safety precautions when installing and operating electrical equipment. This product is designed for outdoor low-voltage landscape lighting systems. Ensure power is disconnected before any installation or maintenance.

PRODUCT OVERVIEW

The Kichler 12 Volt 3000K LED 6" Shallow Shade Path Light (Model 16196BKT30) is an outdoor lighting fixture designed for path and landscape illumination. It features a durable aluminum construction and an integrated 3000K LED light source.



Figure 1: Kichler 12 Volt 3000K LED 6" Shallow Shade Path Light (Model 16196BKT30).

Key Features:

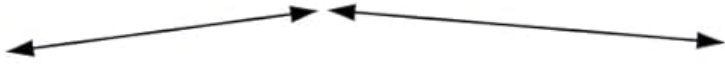
- Integrated 3000K LED light source.
- Solid aluminum construction for durability.
- IP66-rated design for dust and watertight housing.
- Textured black finish.
- Maintenance-free integrated LED, no bulbs to replace.

Dimensions:

- Width: 6 inches
- Depth: 6.5 inches
- Height: 24 inches

Figure 2 illustrates the product's dimensions.

WIDTH	DEPTH
6in	6.5in



HEIGHT
24in



Figure 2: Product view illustrating 6 inches width, 6.5 inches depth, and 24 inches height.

SAFETY INFORMATION

- **Electrical Safety:** This fixture operates on 12 Volts. Always ensure the power supply to the landscape lighting system is turned off at the main transformer before installation, maintenance, or servicing.
- **Wiring:** All wiring connections must be made in accordance with local electrical codes. Use only UL/cETL listed low-voltage landscape lighting cable.
- **Water Resistance:** The product is IP66-rated, providing protection against dust and strong jets of water. Ensure all connections are properly sealed to maintain water resistance.
- **Placement:** Install the path light in a location where it will not be damaged by foot traffic, lawn equipment, or other outdoor activities.
- **Heat:** The LED light source may become warm during operation. Avoid touching the fixture directly after extended use.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Kichler 12 Volt 3000K LED 6" Shallow Shade Path Light fixture (Model 16196BKT30)
- Mounting Hardware (stake, connectors)
- Instruction Manual

SETUP & INSTALLATION

Tools Required (Not Included):

- Wire strippers
- Shovel or trowel for digging
- Low-voltage landscape lighting transformer
- Low-voltage landscape lighting cable

Pre-Installation:

1. Plan the layout of your path lights to ensure adequate coverage and desired aesthetic.
2. Ensure the low-voltage transformer is unplugged from the power outlet before starting any wiring.
3. Lay out the low-voltage cable along the planned path, ensuring enough slack for connections.

Mounting Instructions:

1. Select a suitable location for each path light.
2. Insert the mounting stake firmly into the ground at the desired location. Ensure the stake is vertical and stable.
3. Attach the path light fixture to the top of the stake, ensuring a secure connection. The solid aluminum construction provides a robust stake-to-stem connection.

Wiring Instructions:

1. Carefully strip approximately 1/2 inch of insulation from the ends of the low-voltage cable where the fixture will connect.
2. Connect the fixture's wires to the main low-voltage cable using the provided waterproof connectors. Ensure a tight and secure connection to prevent moisture ingress.
3. Bury the low-voltage cable approximately 6-10 inches deep to protect it from damage.
4. Once all fixtures are connected and cables are buried, connect the main low-voltage cable to the terminals on your low-voltage transformer.
5. Plug the transformer into a GFCI-protected outdoor outlet.

OPERATING INSTRUCTIONS

The Kichler 12 Volt 3000K LED 6" Shallow Shade Path Light is designed for continuous operation when connected to a powered low-voltage landscape lighting system. Operation is typically controlled by the connected low-voltage transformer, which may feature a timer or photocell for automatic on/off functionality.

- **Power On/Off:** Control the power to the light fixture via your low-voltage transformer.
- **Integrated LED:** This fixture uses an integrated LED light source, meaning there are no bulbs to replace.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your path light.

- **Cleaning:** Periodically clean the exterior of the fixture with a soft, damp cloth to remove dirt, dust, and debris. Avoid using abrasive cleaners or solvents, as these can damage the finish or lens.
- **Inspection:** Annually inspect the wiring and connections for any signs of wear, damage, or corrosion. Ensure the stake-to-stem connection remains secure.
- **Watertight Seal:** The electrical components are sealed under a polycarbonate lens with a ribbed gasket. Do not attempt to disassemble the sealed LED compartment, as this may compromise the watertight seal and void the warranty.
- **Foliage:** Keep foliage and landscaping clear of the light fixture to prevent obstruction of light output and potential heat buildup.

TROUBLESHOOTING

If your Kichler path light is not functioning as expected, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	<ul style="list-style-type: none"> No power to the transformer. Loose or faulty wiring connection. Faulty transformer. Integrated LED failure (rare). 	<ul style="list-style-type: none"> Check if the transformer is plugged in and receiving power. Reset GFCI if tripped. Inspect all wiring connections for tightness and corrosion. Re-secure if necessary. Test the transformer with a multimeter or try a known working transformer. Contact Kichler customer support if the LED is suspected to be faulty.
Light flickers or is dim.	<ul style="list-style-type: none"> Insufficient power from transformer. Loose wiring connection. Too many fixtures on one transformer circuit. 	<ul style="list-style-type: none"> Ensure the transformer wattage is sufficient for all connected lights. Check and tighten all wiring connections. Distribute fixtures across multiple transformer circuits or upgrade transformer.

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

SPECIFICATIONS

Feature	Detail
Brand	Kichler
Model Number	16196BKT30
Voltage	12 Volts
Wattage	2 watts
Light Source	Integrated LED
Light Color Temperature	3000K (Warm White)
Brightness	180 Lumen
Efficiency	90 lumens per watt
Material	Aluminum (Fixture), Polycarbonate (Shade)
Finish	Textured Black
Dimensions (L x W x H)	6.5" x 6" x 24"
Item Weight	1.6 Pounds
Indoor/Outdoor Usage	Outdoor
Water Resistance Level	IP66 (Water Resistant)
Special Features	Anti-Rust, Energy Efficient, Low Voltage
Certification	cETL

WARRANTY & SUPPORT

Manufacturer's Warranty:

This Kichler product is covered by a **1-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. For specific terms and conditions, please refer to the warranty documentation included with your purchase or visit the official Kichler website.

Note: The integrated LED is designed for long-term performance and is not user-replaceable. Attempting to open the sealed LED compartment may void the warranty.

Customer Support:

For technical assistance, replacement parts, or warranty claims, please contact Kichler customer support.

Contact information can typically be found on the Kichler website or on your product packaging.

You can visit the official Kichler website for more information: www.kichler.com