

KastLite LDS-TR1BR3000K2

KastLite LED Deck/Step Light User Manual

Model: LDS-TR1BR3000K2

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your KastLite 6.8W 200LM LED Deck/Step Light. Designed for outdoor use, this low-voltage light enhances the ambiance of pathways, steps, and decks with its soft white 3000K illumination and elegant antique brass finish. Please read this manual thoroughly before installation and retain it for future reference.

IMPORTANT SAFETY INFORMATION

- **Electrical Safety:** This product is a 12V low-voltage fixture. Ensure power is disconnected at the source before any installation or maintenance. Do not connect directly to 120V AC power.
- **Qualified Installation:** Installation should be performed by a qualified electrician or in accordance with local electrical codes.
- **Waterproof Rating:** The light is IP65 waterproof, suitable for outdoor use. However, ensure all connections are properly sealed to prevent water ingress.
- **Handling:** Handle the light fixture with care to avoid damage to the LED components or finish.
- **Operating Temperature:** Do not operate the light outside its specified temperature range.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1 x KastLite 6.8W 200LM LED Deck/Step Light (6.5" SQUARE, Antique Brass)
- 1 x Heavy-duty stake (for ground installation, if applicable)
- 1 x User Manual (this document)

SPECIFICATIONS

Attribute	Value
-----------	-------

Brand	KastLite
Model Number	LDS-TR1BR3000K2
Power Consumption	6.8W
Lumen Output	200LM
Color Temperature	3000K (Soft White)
Voltage	12V (Low Voltage)
Material	Metal (Antique Brass Finish)
Dimensions (L x W x H)	1.08" x 6.5" x 6.5"
Waterproof Rating	IP65
Fixture Type	Up/Down Deck Light
Intended Use	Outdoor (Pathways, Steps, Decks, Gardens, Landscape, Park, Yard)

KASTLITE



5 Years
Limited Warranty

Assembled Dimensions

Depth	1.1 in
Height	6.5 in
Width	6.5 in



- Durable Die-Cast Aluminum Housing
- High grade lenses provide even wide light distribution

Figure 1: Product Dimensions. The light measures 6.5 inches by 6.5 inches with a depth of 1.1 inches.

SETUP AND INSTALLATION

This low-voltage light requires a 12V landscape lighting transformer (not included) and low-voltage wiring. Follow these steps for proper installation:

1. **Plan Placement:** Determine the desired locations for your deck/step lights. Consider areas that require illumination for safety and ambiance, such as stair treads, deck edges, or pathway borders.
2. **Prepare Wiring:** Lay out your low-voltage landscape wiring from your transformer to the planned light locations. Ensure sufficient cable length for connections.
3. **Mounting the Fixture:**
 - For surface mounting on decks or steps, use appropriate screws (not included) to secure the light fixture to a stable surface. Ensure the mounting surface is flat and capable of supporting the fixture.

- For ground installation near pathways or garden beds, attach the provided heavy-duty stake to the bottom of the fixture and firmly insert it into the ground.
4. **Connect Wiring:** Carefully connect the low-voltage wires from your main landscape lighting cable to the wires of the KastLite fixture. Use waterproof wire connectors (not included) to ensure a secure and weather-resistant connection. Maintain proper polarity (positive to positive, negative to negative).
 5. **Secure Connections:** After making connections, ensure they are tucked away safely and are not exposed to potential damage or water.
 6. **Test System:** Once all lights are installed and wired, connect your low-voltage transformer to power and test the system. Ensure all lights illuminate correctly.

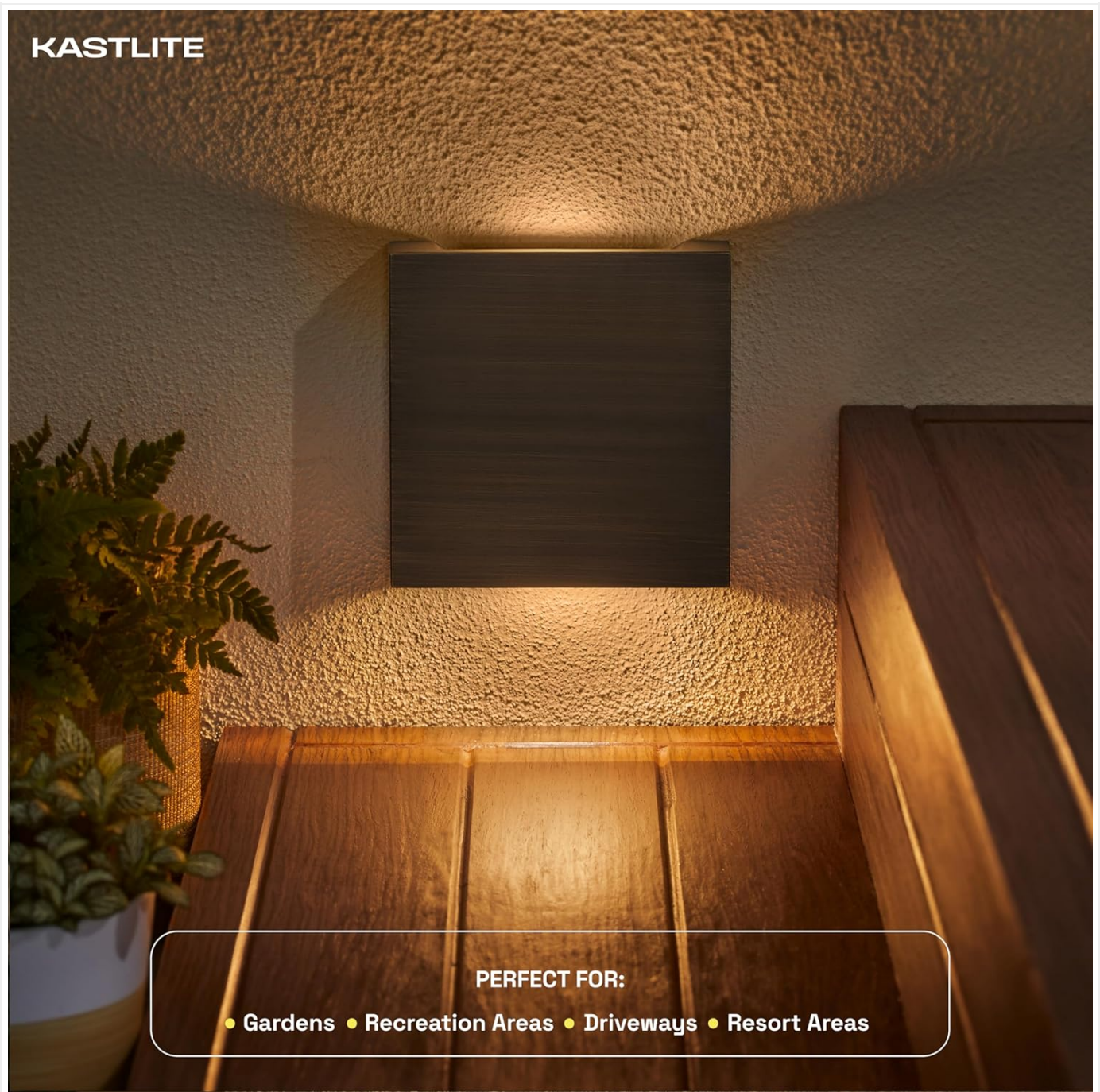


Figure 2: Example of installed light providing illumination for a deck area.

KASTLITE



**Metal Body with
Antique Brass Finish**

Figure 3: Close-up of the light fixture showing its dual light output.



Figure 4: Detail of the clear lens and antique brass finish.

OPERATING INSTRUCTIONS

The KastLite LED Deck/Step Light operates as part of a 12V low-voltage landscape lighting system. Once properly installed and connected to a compatible transformer, its operation is straightforward:

- **Power On/Off:** The light will turn on and off according to the settings of your 12V landscape lighting transformer. Most transformers feature a timer, photocell, or manual switch for controlling the lighting schedule.
- **Automatic Operation:** For automatic dusk-to-dawn operation, ensure your transformer's photocell is unobstructed and functioning correctly.

MAINTENANCE

The KastLite LED Deck/Step Light is designed for durability and minimal maintenance. Follow these guidelines to ensure optimal performance and longevity:

- **Cleaning:** Periodically clean the fixture's lens and body with a soft, damp cloth to remove dirt, dust, and debris. Avoid abrasive cleaners or solvents that could damage the finish or lens.
- **Inspect Wiring:** Annually inspect all wiring and connections for any signs of wear, damage, or corrosion. Repair or replace any compromised components immediately.
- **Clear Debris:** Ensure that leaves, mulch, or other garden debris do not accumulate around the fixture, which could impede light output or cause overheating.
- **Fixture Stability:** Check that the fixture remains securely mounted or staked in its position. Re-secure if necessary.

TROUBLESHOOTING

If you encounter issues with your KastLite LED Deck/Step Light, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Light does not turn on.	No power from transformer. Loose or faulty wiring connection. Faulty photocell or timer setting.	Check transformer power supply and settings. Inspect and re-secure all wire connections. Verify photocell is clean and unobstructed; check timer settings.
Light flickers or is dim.	Insufficient power (voltage drop). Loose connection. Damaged wiring.	Ensure transformer capacity is adequate for all connected lights. Check and tighten all wire connections. Inspect wiring for cuts or damage and repair/replace.
Water inside fixture.	Improperly sealed wire connections. Damaged fixture housing.	Ensure all wire connections are made with waterproof connectors and properly sealed. If housing is damaged, the fixture may need replacement.

WARRANTY AND SUPPORT

KastLite stands behind the quality of its products. This KastLite LED Deck/Step Light comes with a **5-Year Limited Warranty** from the date of purchase.

This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from improper installation, accident, abuse, misuse, natural disaster, or unauthorized modification.

For warranty claims or technical support, please contact KastLite customer service through the official KastLite website or your point of purchase. Please have your model number (LDS-TR1BR3000K2) and proof of purchase ready.

KASTLITE

Maintenance Free • 100% • Maintenance Free



LED LARGE ANTIQUE BRASS UP/DOWN DECK & STEP LIGHT

PERFECT FOR:

- Gardens
- Recreation Areas
- Driveways
- Resort Areas

200
Lumens



Metal Body with
Antique Brass
Finish

CLEAR

Lens

3000K

Warm White Light

WIDE

Light Coverage

Figure 5: Product features and applications.

KASTLITE

Clear
Lens



**Warm White
White**



**Wet
Rated**



**Low
Voltage**



**Even Light
Pattern**

Figure 6: Key features including warm white light, wet rating, low voltage, and even light pattern.