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› [WAC Lighting](#) /

› [WAC Landscape Lighting Cone LED 12V Deck and Patio Light \(Model 3021-27WT\) Instruction Manual](#)

WAC Lighting 3021-27WT

WAC Landscape Lighting Cone LED 12V Deck and Patio Light Instruction Manual

Model: 3021-27WT

[Installation](#) [Operation](#) [Safety Information](#) [Package Contents](#) [Setup & Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty & Support](#)

1. SAFETY INFORMATION

Please read these instructions carefully before installation and retain them for future reference. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Electrical Safety:** This product operates on a 12V AC/DC low voltage system. A compatible 12V magnetic or electronic power supply (transformer) is required and sold separately. Do not connect directly to 120V AC.
- **Installation:** Installation should be performed by a qualified electrician or trained professional in accordance with local electrical codes. Ensure power is disconnected at the source before installation or servicing.
- **Outdoor Use:** The fixture is IP66 rated, indicating protection against high-pressure water jets and outdoor elements. Ensure all connections are watertight using the provided gel-filled wire nuts.
- **Dimming:** For dimming functionality, use a Magnetic Low Voltage (MLV) dimmer (sold separately).
- **Product Integrity:** Do not modify the fixture. Any modifications may void the warranty and create safety hazards.

2. PACKAGE CONTENTS

Verify that all components are present before beginning installation.

- WAC Landscape Lighting Cone LED Deck and Patio Light (Model 3021-27WT)
- 3-foot lead wire (attached to fixture)
- 2 x Ideal Direct Burial Wire Nuts (gel-filled)
- Hardware Pack for Surface Mount



Image: The WAC Landscape Lighting Cone LED Deck and Patio Light in white, showing the attached lead wire and two gel-filled direct burial wire nuts.

3. SETUP & INSTALLATION

This fixture is designed for surface mounting on a flat surface, such as a 4x4 post or deck railing. A 12V AC/DC landscape lighting transformer (sold separately) is required.

3.1 Tools Required (Not Included)

- Drill
- Drill bits appropriate for mounting surface and wire passage
- Screwdriver
- Wire strippers
- Voltage tester

3.2 Installation Steps

1. **Disconnect Power:** Ensure the power supply to the landscape lighting system is turned off at the main

breaker or transformer.

2. **Prepare Mounting Surface:** Select a suitable location for the light. The fixture is designed to fit cleanly on a 4x4 post without hanging off the sides. Mark the desired mounting points for the screws from the hardware pack.
3. **Drill Pilot Holes:** Drill pilot holes for the mounting screws. If routing the wire through the mounting surface, drill an additional hole for the lead wire.
4. **Mount the Fixture:** Secure the light fixture to the mounting surface using the provided hardware. Ensure it is firmly attached.
5. **Connect Wiring:**
 - Strip approximately 1/2 inch of insulation from the ends of the fixture's lead wire and the main low voltage landscape wire.
 - Twist the exposed copper wires together (one from the fixture to one from the main wire).
 - Secure each connection with a gel-filled direct burial wire nut. Twist the wire nut clockwise until tight. The gel inside the nut will seal the connection, protecting it from moisture.
 - Bury the wire connections underground or ensure they are otherwise protected and concealed.
6. **Connect to Transformer:** Connect the main low voltage landscape wire to your 12V AC/DC landscape lighting transformer (sold separately). Refer to your transformer's manual for specific connection instructions.
7. **Restore Power:** Once all connections are secure and properly insulated, restore power to the landscape lighting system.

12V POWER SUPPLY

9075-TRN-SS

9150-TRN-SS

9300-TRN-SS

9600-TRN-SS



Power supply required
sold separately

Image: Example of a WAC Landscape Lighting 12V power supply transformer, required for operation (sold separately).

Your browser does not support the video tag.

Video: An overview of WAC Deck & Patio lights, demonstrating their design and suitability for various installations. This video provides visual context for the product line.

4. OPERATION

The WAC Landscape Lighting Cone LED Deck and Patio Light operates automatically when connected to a compatible 12V landscape lighting system controlled by a timer or photocell (not included). The light will illuminate when power is supplied to the low voltage circuit.

- **Power On/Off:** Control the light by turning the 12V landscape lighting transformer on or off.
- **Dimming:** If connected to a Magnetic Low Voltage (MLV) dimmer, the brightness can be adjusted smoothly and continuously down to 10% of its maximum output.
- **Light Output:** This model provides 2700K Warm LED light, offering a soft, inviting glow suitable for decks, patios, and pathways.



Available in Warm 2700K
or Warm White 3000K

Image: A visual comparison showing the difference between 2700K Warm light (left) and 3000K Warm White light (right). This specific model emits 2700K Warm light.

5. MAINTENANCE

The WAC Landscape Lighting Cone LED Deck and Patio Light is designed for minimal maintenance. The built-in LED has a rated life of 50,000 hours.

- **Cleaning:** Periodically clean the fixture with a soft, damp cloth to remove dirt and debris. Do not use 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 wire nuts remain securely fastened.
- **LED Replacement:** The LED is built-in and not user-replaceable. If the LED fails within the warranty period, contact customer support.

6. TROUBLESHOOTING

If your WAC Landscape Lighting Cone LED Deck and Patio Light is not functioning as expected, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power to the transformer. Loose or faulty wire connections. Faulty transformer. Damaged fixture.	Check if the transformer is plugged in and receiving power. Verify circuit breaker. Inspect all wire connections, ensuring they are tight and properly sealed with wire nuts. Test the transformer output voltage. Replace if necessary. If other lights on the same circuit work, the fixture may be faulty. Contact customer support.
Light flickers or is dim.	Insufficient power from transformer. Loose wire connections. Incompatible dimmer.	Ensure the transformer wattage is sufficient for all connected lights. Check and tighten all wire connections. If using a dimmer, ensure it is a Magnetic Low Voltage (MLV) dimmer.
Water inside the fixture.	Improperly sealed wire connections. Damage to the fixture housing.	Ensure wire nuts are twisted tightly and fully encapsulate the wire connection. Inspect the fixture for cracks or damage. Contact customer support if damaged.

7. SPECIFICATIONS

Feature	Detail
Model Number	3021-27WT
Brand	WAC Lighting
Product Dimensions	3.38" L x 1.63" W x 3.21" H
Material	Aluminum
Color	White
Light Source	Built-in LED
Input Voltage	9-15V AC/DC
Power Consumption	2.8W (4.6VA)
Brightness	Up to 60 Lumens (90 Lumens max)
Color Temperature	2700K Warm LED
Color Rendering Index (CRI)	90
Rated Hours	50,000 hours
Dimming	Smooth and continuous to 10% with MLV dimmer (sold separately)

Feature	Detail
IP Rating	IP66 (Factory sealed water tight)
Certifications	UL & cUL 1838, EPA, Energy Star, FCC
Included Components	Fixture, 3ft lead wire, 2x direct burial wire nuts, hardware pack

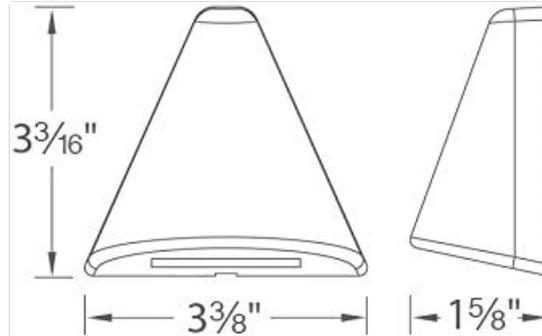


Image: Technical line drawing showing the dimensions of the WAC Cone LED Deck and Patio Light.

8. WARRANTY & SUPPORT

Warranty: This WAC Landscape Lighting product is covered by a 10-year functional warranty and a 2-year finish warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

Exclusions: The warranty does not cover damage caused by improper installation, misuse, abuse, accidents, modifications, or acts of nature. It also does not cover normal wear and tear or consumable parts.

Customer Support: For technical assistance, warranty claims, or replacement parts, please contact WAC Lighting customer service. Have your model number (3021-27WT) and proof of purchase ready.

WAC Lighting Contact Information:

- Visit the [WAC Lighting Store on Amazon](#) for more information.
- Refer to the official WAC Landscape Lighting website for direct contact details.