

## VOLT 100W Slim Line Low Voltage Transformer

# VOLT 100W Slim Line Low Voltage Transformer User Manual

*Model: 100W Slim Line Low Voltage Transformer*

Brand: VOLT

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your VOLT 100W Slim Line Low Voltage Transformer. Designed for LED landscape lighting systems, this transformer offers efficient and reliable power distribution with integrated timer and photocell functionalities. Please read this manual thoroughly before installation and use to ensure safe and optimal performance.

## SAFETY INFORMATION

### **WARNING: Risk of Fire.**

If installation involves running wiring through a building structure, special wiring methods are needed. Consult a qualified electrician for such installations.

This transformer is suitable for both indoor and outdoor use.

Do not load any transformer to more than 80% of its capacity. For this 100W model, the maximum load should not exceed 80W.

Do not connect two or more power supplies in parallel.

Not for use with dimmers.

For installation in or on non-combustible materials only.

Ensure all electrical connections are secure and comply with local electrical codes.

## PRODUCT OVERVIEW

The VOLT 100W Slim Line Low Voltage Transformer is engineered for efficiency and ease of use in LED landscape lighting applications. Key features include:

- **Low Profile Magnetic Transformer:** Slimmer, lighter, and simpler to install with a single 15V tap to compensate for voltage loss.
- **Modular Timer with Photocell:** Integrated timer visible through the housing window, allowing for dusk-to-dawn operation or timed shut-off. The photocell is built into the timer module.
- **Easy Installation:** Features clamp-type terminal blocks for quick and secure wire connections, accepting up to 10-gauge wire.
- **High Performance:** Utilizes a toroidal core for reliable, efficient, cooler, and quieter operation compared to other

transformer types.

- **Durable Construction:** Stainless steel enclosure designed for longevity.



Figure 1: Front angled view of the VOLT 100W Slim Line Low Voltage Transformer, showcasing its compact design and integrated timer/photocell window.



Figure 2: Direct front view of the transformer, highlighting the timer and photocell module.

## SETUP AND INSTALLATION

1. **Mounting:** Securely mount the transformer to a wall or suitable non-combustible surface using the integrated mounting bracket at the top. Ensure it is placed in a location that allows for proper ventilation and access.
2. **Wiring Connections:**



Figure 3: Internal view of the transformer, showing the wiring compartment, terminal blocks, and safety warnings.

- Open the transformer door to access the wiring compartment.
  - Strip approximately 1/2 inch of insulation from the ends of your low-voltage landscape lighting wires (up to 10-gauge).
  - Insert the stripped wire ends into the clamp-type terminal blocks. Ensure the wire is fully inserted and the clamp is securely closed.
  - Connect one wire to the "COM" (Common) terminal and the other to the "15V" terminal.
  - Ensure all connections are tight and secure.
3. **Power Connection:** Plug the transformer's power cord into a grounded 120V AC outdoor-rated electrical outlet.
  4. **Load Capacity:** Remember not to exceed 80% of the transformer's 100W capacity (i.e., do not connect more than 80W of total lighting load).

## OPERATING INSTRUCTIONS

The VOLT Slim Line Transformer features a modular timer with an integrated photocell for automated operation.

1. **Timer Settings:** The timer dial allows you to select various operating modes:
- **ON:** Lights will remain on continuously.

◦ **OFF:** Lights will remain off.

◦ **Dusk-to-Dawn (Photocell):** The integrated photocell will detect ambient light levels. Lights will turn on automatically at dusk and turn off at dawn.

◦ **Timed Operation (e.g., 4H, 6H, 8H, 10H):** Lights will turn on at dusk (detected by the photocell) and remain on for the selected duration (e.g., 4 hours, 6 hours, etc.) before turning off.
2. **Photocell Functionality:** The photocell is located within the timer module, visible through the clear window on the transformer door. Ensure the photocell is not obstructed by debris, shadows, or other light sources that could interfere with its operation.

MAINTENANCE

- **Cleaning:** Periodically clean the exterior of the transformer with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Photocell:** Keep the photocell window clean and free of dirt, dust, or obstructions to ensure accurate dusk/dawn detection.
- **Connections:** Annually inspect all wiring connections to ensure they remain secure and free from corrosion.
- **Ventilation:** Ensure the area around the transformer remains clear to allow for proper airflow and prevent overheating.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Lights not turning on.	No power to transformer. Timer set to OFF or incorrect mode. Photocell obstructed or faulty. Loose wiring connections. Overloaded circuit. Faulty bulbs/fixtures.	Check power outlet and circuit breaker. Adjust timer setting. Clean photocell window; ensure no light source is interfering. Inspect and tighten all wire connections. Reduce total wattage of connected lights. Test individual lights/bulbs.
Lights flickering or dim.	Voltage drop due to long wire runs or undersized wire. Overloaded circuit. Loose connections.	Ensure appropriate wire gauge for distance and load. Reduce total wattage of connected lights. Check and tighten all connections.
Timer not functioning correctly.	Photocell obstructed. Incorrect timer setting. Timer module fault.	Clean photocell window; ensure no light source is interfering. Verify timer dial is set to desired mode. Contact customer support if issues persist.

SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model	100W Slim Line Low Voltage Transformer
Power Source	Corded Electric
Output Voltage	15V AC
Maximum Load Capacity	100 Watts (80W recommended operational limit)
Product Dimensions (H x W x D)	14.4" x 5.27" x 3.7"
Weight	10.75 Pounds
Mounting Type	Wall Mount
Certification	ETL Listed
Included Components	Timer/Photocell Module

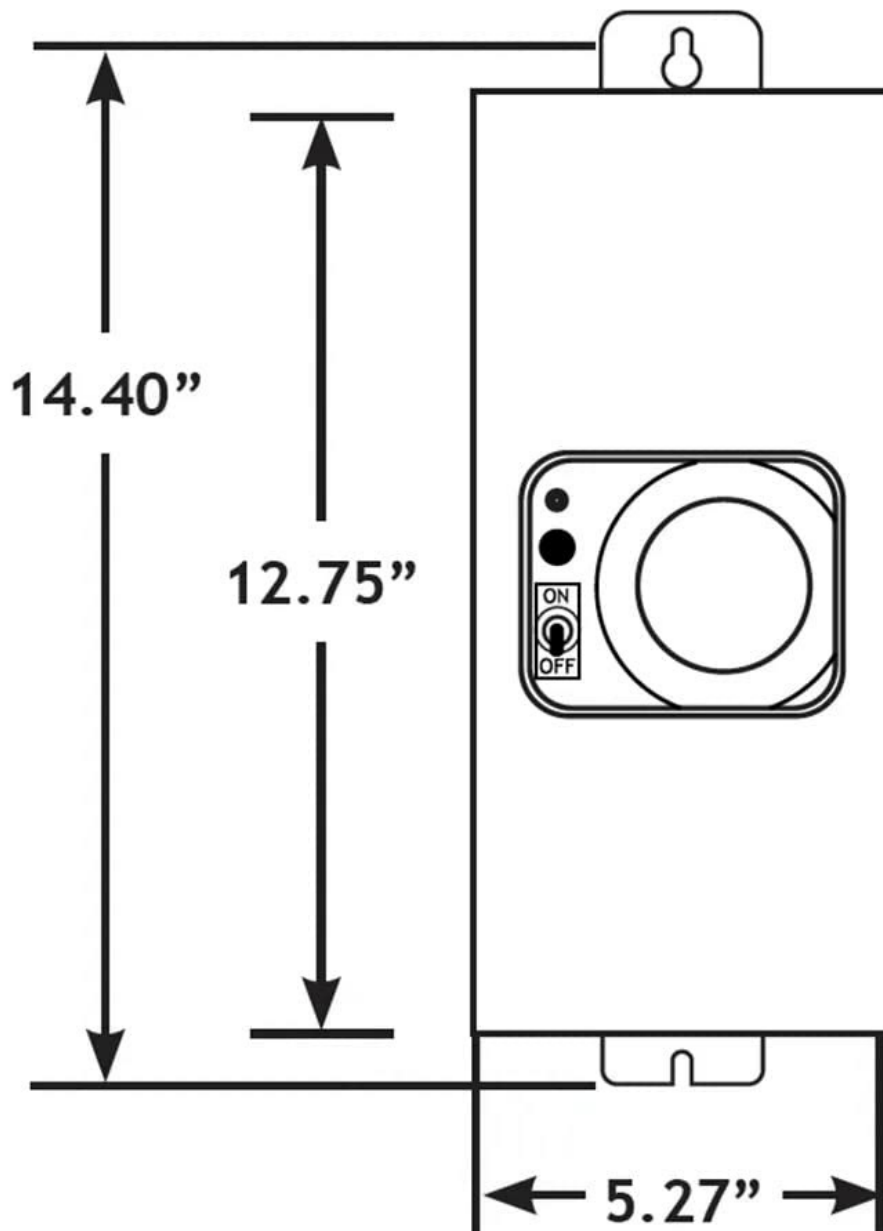


Figure 4: Dimensional diagram of the transformer, indicating height and width measurements.

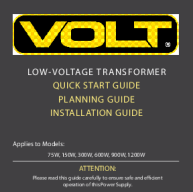
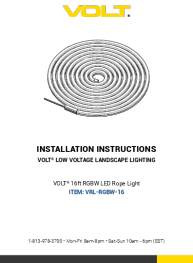


## WARRANTY AND SUPPORT

This VOLT Slim Line Transformer comes with an industry-leading **Lifetime Warranty**. This warranty covers the core, stainless steel enclosure, and all electrical components, ensuring a lifetime of worry-free use.

For technical support, warranty claims, or any questions regarding your product, please visit the official VOLT Lighting website or contact their customer service directly. Refer to the product packaging or the VOLT Lighting website for the most current contact information.

You can also visit the [VOLT Store on Amazon](#) for more information and products.

Related Documents

	<p><a href="#">VOLT Low-Voltage Transformer Quick Start and Installation Guide</a></p> <p>Comprehensive guide for VOLT Low-Voltage Transformers (75W-1200W), covering quick start steps, planning, wiring methods, installation, voltage testing, and input amperage checks for landscape lighting systems.</p>
	<p><a href="#">VOLT 16ft RGBW LED Rope Light Installation Guide</a></p> <p>This guide provides detailed installation instructions for the VOLT 16ft RGBW LED Rope Light (Model VRL-16RGBW-16). It covers essential safety precautions, package contents, correct and incorrect bending methods, cutting, end cap installation, strip holder mounting, wire connections, and IR remote operation.</p>
	<p><a href="#">VOLT VAC-REMOTE-RF1 Landscape Lighting Remote Control User Manual</a></p> <p>User and installation guide for the VOLT VAC-REMOTE-RF1 landscape lighting remote control, detailing its features, setup, pairing, and operation for brightness, color temperature, and zone control.</p>
	<p><a href="#">VOLT VSAL-9007-BBZ Premium Solar Spot Light Installation Instructions</a></p> <p>Step-by-step installation guide for the VOLT VSAL-9007-BBZ Premium Solar Spot Light with Detached Panel, covering setup, wiring, adjustments, and battery replacement.</p>