

VOLT db659f75-e691-4e25-925a-592c4e028640

VOLT 300W Slim Line Low Voltage Transformer Instruction Manual

Brand: VOLT | Model: db659f75-e691-4e25-925a-592c4e028640

INTRODUCTION

The VOLT 300W Slim Line Low Voltage Transformer is designed for efficient and reliable power supply to LED landscape lighting systems. Featuring a low-profile magnetic design, integrated timer, and photocell, this transformer offers versatile control and high performance for outdoor lighting applications. Its robust construction ensures durability and ease of installation.

SAFETY INSTRUCTIONS

WARNING: Risk of fire. If installation involves wiring through a building structure, special wiring methods are needed. Consult a qualified electrician.

- Always disconnect power before installing or servicing the transformer.
- Ensure the transformer is installed in a location that complies with local electrical codes.
- Do not overload the transformer. Never load any transformer to more than 80 percent of its capacity (240W for this 300W model).
- This unit is suitable for indoor or outdoor use.
- Use only with low voltage landscape lighting fixtures.

PACKAGE CONTENTS

- VOLT 300W Slim Line Low Voltage Transformer
- Modular Timer with Photocell

PRODUCT FEATURES

- **Low Profile Magnetic Transformer:** Designed for a slimmer, lighter, and simpler installation. Features 12V and 15V taps for optimal voltage distribution, especially on long or heavily-loaded wire runs.
- **Modular Timer with Photocell Included:** Allows for flexible operation modes including dusk-to-dawn or timed shut-off after a set number of hours. The photocell is integrated into the timer for convenience.
- **Easy to Install:** Equipped with clamp-type terminal blocks that simplify wire connections, accepting up to 10-gauge wire.

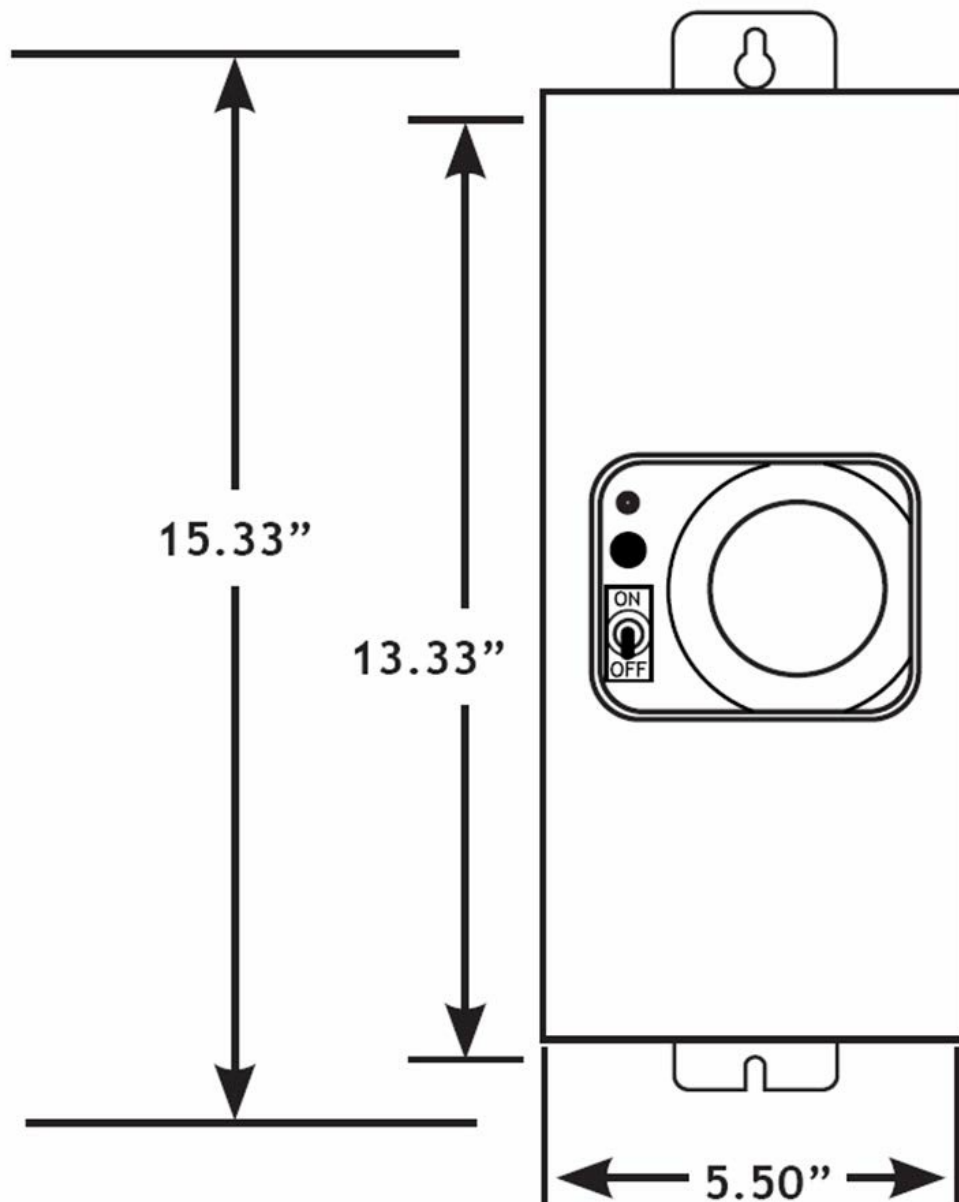
- **High Performance:** Utilizes a toroidal core for reliable, efficient, cooler, and quieter operation compared to traditional EI laminated types or electronic transformers.
- **Durable Construction:** Features a stainless steel enclosure designed for longevity in outdoor environments.

SETUP AND INSTALLATION

Before beginning installation, ensure you have all necessary tools and materials. Refer to the official [Installation Manual \(PDF\)](#) for detailed diagrams and instructions.



Front view of the VOLT 300W Slim Line Low Voltage Transformer, highlighting its compact design and the integrated timer dial.



This diagram illustrates the key dimensions of the transformer, including its height of 15.33 inches and width of 5.5 inches, aiding in installation planning.

Mounting the Transformer

1. Choose a suitable location for mounting the transformer. It should be close to a GFCI (Ground Fault Circuit Interrupter) protected 120V AC outlet and protected from direct water spray.
2. Use appropriate screws or anchors to securely mount the transformer to a wall or sturdy surface. Ensure it is level and firmly attached.
3. Allow adequate ventilation around the transformer.



The transformer is shown installed on an outdoor wall, demonstrating its suitability for exterior landscape lighting applications and its sleek, unobtrusive profile.

Wiring the Transformer

1. Open the transformer door to access the wiring terminals.
2. Strip approximately 1/2 inch of insulation from the ends of your low voltage landscape lighting cables.
3. Insert the stripped wires into the appropriate clamp-type terminal blocks. The transformer provides 12V and 15V output taps, along with a common (COM) terminal.
4. For most LED landscape lighting systems, use the 12V tap. The 15V tap can be used to compensate for voltage drop on longer wire runs or heavily loaded circuits.
5. Ensure all connections are secure by closing the clamps firmly.
6. Close the transformer door and ensure it is latched securely to protect internal components from the elements.



The interior of the transformer is displayed, revealing the easy-to-use clamp-type terminal blocks for connecting landscape lighting wires to the 12V, 15V, and common outputs.

OPERATING INSTRUCTIONS

Setting the Timer and Photocell

The VOLT transformer includes a modular timer with an integrated photocell for automated operation.



A detailed view of the modular timer and photocell dial, which allows setting operation modes such as dusk-to-dawn, 2, 4, 6, 8, or 10-hour cycles, or continuous ON/OFF.

1. **Dusk-to-Dawn:** Turn the dial to the 'Dusk-Dawn' setting. The photocell will detect ambient light and turn the lights on at dusk and off at dawn.
2. **Timed Operation:** Select a specific duration (2, 4, 6, 8, or 10 hours) on the dial. The lights will turn on at dusk and remain on for the selected number of hours.
3. **ON:** Turn the dial to 'ON' for continuous operation. The lights will remain on until manually turned off or the setting is changed.
4. **OFF:** Turn the dial to 'OFF' to keep the lights off.

The photocell is located behind the clear window on the transformer door. Ensure it is not obstructed for proper dusk-to-dawn functionality.

MAINTENANCE

- Periodically inspect the transformer and wiring for any signs of damage or wear.

- Keep the photocell clean and free from debris to ensure accurate light sensing.
- Ensure the transformer door is always securely closed to protect internal components from moisture and dust.
- No user-serviceable parts inside. Refer all servicing to qualified service personnel.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Lights do not turn on.	No power to transformer; Timer setting incorrect; Photocell obstructed; Loose wiring connection; Overloaded circuit; Faulty fixture/bulb.	Check GFCI outlet and circuit breaker; Adjust timer setting; Clear photocell; Inspect and secure all wiring connections; Reduce load on transformer (ensure it's below 240W); Test individual fixtures.
Lights flicker or are dim.	Voltage drop due to long wire run or undersized wire; Overloaded circuit; Loose connection.	Use the 15V tap if currently on 12V; Use heavier gauge wire for longer runs; Reduce load on transformer; Check and tighten all connections.
Lights stay on continuously.	Timer set to 'ON'; Photocell obstructed or faulty.	Adjust timer setting to desired mode (Dusk-Dawn or timed); Clear any obstructions from the photocell.
Lights do not turn off.	Timer setting incorrect; Photocell not detecting light.	Adjust timer setting; Ensure photocell is exposed to sufficient light during the day.

SPECIFICATIONS

Feature	Detail
Power Source	Corded Electric
Product Dimensions	3.7"D x 5.5"W x 15.33"H
Weight	13 Pounds
Mounting Type	Wall Mount
Specification Met	ETL
Model Number	db659f75-e691-4e25-925a-592c4e028640
First Available	March 27, 2019

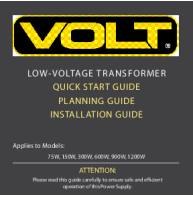


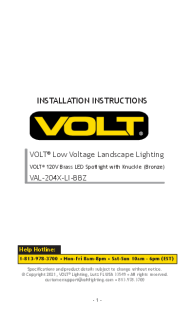

WARRANTY AND SUPPORT

The VOLT 300W Slim Line Low Voltage 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. VOLT is committed to superior product quality and expert support. For any questions, technical assistance, or warranty claims, please contact VOLT customer support. Support is available 7 days a week. For more information about VOLT products and support, visit the official [VOLT Store on Amazon](#).

OFFICIAL PRODUCT VIDEOS

No official product videos with relevant creator information were found in the provided data to embed in this manual.

Related Documents - db659f75-e691-4e25-925a-592c4e028640

	<p>VOLT Low-Voltage Transformer Quick Start and Installation Guide</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>VOLT Low Voltage Smart Spot Light Installation Instructions (SM-VAL-2055 & SM-VAL-2056)</p> <p>Comprehensive installation guide for VOLT Low Voltage Smart Spot Lights, models SM-VAL-2055 and SM-VAL-2056. Includes setup, connection, troubleshooting, and factory reset procedures.</p>
	<p>VOLT® Nano Integrated LED Flood Light VFL-4028 Installation Guide</p> <p>Official installation instructions for the VOLT® Nano Integrated LED Flood Light (Model VFL-4028). Learn how to safely install your low voltage landscape lighting fixture.</p>
	<p>VOLT 120V Brass LED Spotlight with Knuckle (Bronze) Installation Instructions</p> <p>Detailed installation guide for the VOLT 120V Brass LED Spotlight with Knuckle (Bronze), model VAL-204X-LI-BBZ. Covers important safety warnings, package contents, product dimensions, and step-by-step assembly and wiring instructions for landscape lighting.</p>
	<p>VOLT Ultra Premium Cast Brass Up/Down Sconce Installation Instructions</p> <p>This document provides installation instructions for the VOLT Ultra Premium Cast Brass Up/Down Sconce (Model VHS-650-4-BBK). It covers important safety warnings, package contents, product dimensions, and step-by-step assembly procedures for low voltage landscape lighting.</p>



Official installation instructions for the VOLT Estate Pendant Brass LED Hanging Light (Model VAL-9503-4036-BBZ). Learn how to safely install your low voltage landscape lighting fixture.