

Tecnolite Driver-LED-12V-360W-PR

Tecnolite LED-12V-360W-PR 360W Power Supply Driver User Manual

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient use of the Tecnolite LED-12V-360W-PR 360W Power Supply Driver. This device is designed for project applications, converting AC input voltage to a stable 12V DC output for LED lighting systems and other compatible devices. Please read this manual thoroughly before installation and operation.



Figure 1: Tecnolite LED-12V-360W-PR 360W Power Supply Driver. This image shows the aluminum casing, ventilation slots, input/output terminals, and voltage selection switch.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the device:

- **CAUTION! HIGH VOLTAGE INSIDE.** Do not remove this cover. Only qualified service personnel should perform maintenance or repairs.
- Ensure the input voltage switch (115V/230V) is correctly set before connecting to the power source to avoid damaging the unit.
- Disconnect power before making any connections or adjustments.
- Install the driver in a well-ventilated area to prevent overheating.
- Do not expose the unit to moisture or extreme temperatures.
- Ensure proper grounding (indicated by the # symbol on the terminal block).
- Do not exceed the maximum load capacity of 360W.

3. PRODUCT FEATURES

- Designed for project applications.
- Wide input voltage range: 100-277 VAC.
- Stable output voltage: 12 VDC.
- High power output: 360 W maximum load.
- Durable aluminum casing for heat dissipation and protection.
- Integrated drivers for efficient power conversion.

4. SETUP AND INSTALLATION

1. **Unpacking:** Carefully remove the power supply from its packaging and inspect for any physical damage.
2. **Mounting:** Mount the driver securely in a location that allows for adequate ventilation. Ensure no obstructions block the ventilation slots.
3. **Input Voltage Selection:** Locate the voltage selection switch on the side of the unit. Set it to either 115V or 230V according to your local mains voltage. Incorrect selection can damage the unit.
4. **Wiring Input (AC):** Connect the AC input wires to the terminal block labeled 'L' (Live), 'N' (Neutral), and '#' (Ground). Ensure all connections are tight and secure.
5. **Wiring Output (DC):** Connect your 12V DC load (e.g., LED strips, modules) to the output terminals labeled '+V' and '-V'. Observe correct polarity (+ to + and - to -).
6. **Final Check:** Double-check all connections and the input voltage selection before applying power.

5. OPERATING INSTRUCTIONS

Once the power supply is correctly installed and wired, you can apply power. The unit will convert the AC input to a stable 12V DC output. The output voltage can be finely adjusted using the '+V ADJ' potentiometer if necessary, though it is typically pre-calibrated.

- Ensure the total power consumption of connected devices does not exceed 360W.
- Monitor the unit for any unusual noises or excessive heat during initial operation.

6. MAINTENANCE

The Tecnolite LED-12V-360W-PR driver requires minimal maintenance. Follow these guidelines to ensure longevity:

- Keep the unit clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Periodically check ventilation openings to ensure they are not blocked.
- Inspect wiring connections for tightness and signs of wear or corrosion.
- Do not attempt to open the casing, as it contains high voltage components and should only be serviced by qualified personnel.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No output voltage.	No input power; incorrect voltage selection; faulty wiring; overload.	Check power source; verify 115V/230V switch setting; inspect all wiring connections; reduce load.
Output voltage is unstable or incorrect.	Overload; faulty load; internal issue.	Reduce load; test with a different load; if problem persists, contact support.
Unit is overheating.	Poor ventilation; excessive load.	Ensure adequate airflow around the unit; reduce load to within specifications.

8. SPECIFICATIONS

Manufacturer	Tecnolite
Model Number	Driver-LED-12V-360W-PR
Part Number	Driver-LED-12V-360W-PR
Power Source	Corded Electric
Input Voltage	100-277 VAC
Output Voltage	12 VDC
Maximum Power / Load	360 W
Item Package Quantity	1
Batteries Required	No
Product Dimensions (L x W x H)	22 x 11.5 x 5.5 cm
Item Weight	860 g
ASIN	B017ST41FA

9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact Tecnolite customer service or visit the official Tecnolite brand store.

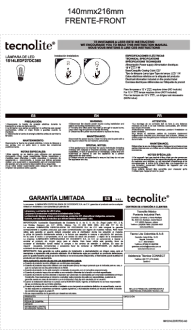
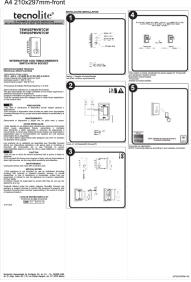
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Related Documents - Driver-LED-12V-360W-PR

	<p>Tecnolite Indoor Light Fixture Installation Guide and Limited Warranty</p> <p>Comprehensive installation instructions, technical specifications, and limited warranty details for Tecnolite indoor LED light fixtures, model numbers 36FLCPLED120MV40B and 36FLCPLED120MV65B.</p>
	<p>Tecnolite 12FTLLED013MV30N Outdoor LED Light Fixture Installation and Warranty Guide</p> <p>Installation guide and limited warranty details for the Tecnolite 12FTLLED013MV30N outdoor LED light fixture. Includes technical specifications, safety precautions, parts list, and customer support information.</p>
	<p>Tecnolite H-520/3W/30 Outdoor Subaquatic LED Light Installation and Warranty Guide</p> <p>Detailed installation guide and limited warranty information for the Tecnolite H-520/3W/30 outdoor subaquatic LED light. Includes technical specifications, safety precautions, maintenance, and customer support contacts for this durable, waterproof lighting solution.</p>
	<p>Tecnolite 80SOLLED131VCD65N Outdoor LED Luminaire Installation and Warranty Guide</p> <p>Comprehensive guide for the Tecnolite 80SOLLED131VCD65N outdoor LED luminaire, covering installation, technical specifications, safety precautions, maintenance, and limited warranty information. Features solar power, PIR sensor, and remote control.</p>

	<p>TecnoLite 1S14LEDF27DC360 LED Lamp Instruction Manual and Warranty</p> <p>Instruction manual and limited warranty details for the TecnoLite 1S14LEDF27DC360 LED lamp, including specifications, installation, maintenance, and warranty exclusions.</p>
	<p>TecnoLite TSWI2SPMVBTCW/TSWI2SPMVNTCW Smart Switch with Socket Installation Manual and Warranty</p> <p>Installation guide and limited warranty information for the TecnoLite TSWI2SPMVBTCW/TSWI2SPMVNTCW smart switch with socket. Learn how to install and operate this device, and understand its warranty terms.</p>