

WAC Lighting EN-2460-P-AR-T

WAC Lighting EN-2460-P-AR-T Electronic Transformer User Manual

Model: EN-2460-P-AR-T

1. PRODUCT OVERVIEW

The WAC Lighting EN-2460-P-AR-T is a 60-watt, 120V input, 24V output plug-in electronic transformer designed specifically for InvisiLED Tape Light systems. This low voltage, Class 2 transformer offers a convenient plug-and-play solution for your lighting needs.

It features an integrated on/off toggle switch at its base and comes with a 72-inch detachable cord for flexible installation. The transformer is inherently protected and power limited, ensuring the safety of your lighting system from both normal and abnormal short circuits.

Key features include:

- Built-in auto reset, soft start, short, and overload circuit protection.
- Soft start feature to extend lamp life by delaying abrupt inrush current.
- 1W minimum load to support low load LED systems.
- Intrinsically safe, Class 2 design, limiting current draw to no greater than 5 amps.
- Smooth and continuous dimming capability when used with an electronic low voltage dimmer.
- UL & cUL listed for damp locations.



Image: The WAC Lighting EN-2460-P-AR-T plug-in electronic transformer, showing its compact black housing, integrated on/off switch, and detachable cord with connector.

2. SAFETY INFORMATION

Please read all instructions carefully before installation and use. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Risk of Electric Shock:** Always disconnect power at the circuit breaker or fuse box before installing or servicing.
- This transformer is designed for 120V AC input and 24V AC output. Do not connect to other voltage sources.
- Ensure all connections are secure and properly insulated.
- This product is UL & cUL listed for damp locations. Do not submerge in water or expose to direct water spray.
- For dimming applications, dimmers must always be installed on the **primary side** (120V input side) of the transformer. Installing on the secondary side can damage the unit or connected lighting.
- Do not exceed the maximum load of 60 watts.
- Do not attempt to open or modify the transformer. There are no user-serviceable parts inside.

3. SETUP AND INSTALLATION

The EN-2460-P-AR-T transformer is designed for straightforward plug-and-play installation.

1. **Prepare the Installation Area:** Ensure the power outlet is easily accessible and located in a suitable environment (damp location rated if necessary).
2. **Connect to InvisiLED Tape Light:** The transformer includes a lead cable specifically designed for InvisiLED Tape Light systems. Connect this cable securely to your InvisiLED tape light. Ensure the connection is firm and correct according to your tape light's instructions.

3. **Plug In the Transformer:** Insert the transformer's plug into a standard 120V AC wall outlet. The 72-inch detachable cord provides flexibility for placement.
4. **Mounting (Optional):** If desired, the transformer can be mounted using appropriate mounting screws (not included, but the unit has pre-drilled mounting holes). Ensure the mounting surface is stable and can support the transformer's weight.
5. **Dimmer Installation (If Applicable):** If using an electronic low voltage dimmer, ensure it is installed on the 120V AC input (primary) side of the transformer, before the transformer itself. Refer to the dimmer's instruction manual for proper wiring.
6. **Verify Connections:** Double-check all connections before restoring power.

4. OPERATING INSTRUCTIONS

Operating the WAC Lighting EN-2460-P-AR-T transformer is simple.

- **Power On/Off:** Use the integrated toggle switch located on the base of the transformer to turn the connected InvisiLED tape light on or off.
- **Dimming:** If an electronic low voltage dimmer is installed on the primary side of the transformer, you can adjust the brightness of your InvisiLED tape light using the dimmer control. The transformer supports smooth and continuous dimming.

5. MAINTENANCE

The WAC Lighting EN-2460-P-AR-T transformer requires minimal maintenance.

- **Cleaning:** Periodically wipe the exterior of the transformer with a soft, dry cloth to remove dust. Do not use abrasive cleaners or solvents. Ensure the unit is unplugged before cleaning.
- **Inspection:** Regularly inspect the power cord and connections for any signs of damage, fraying, or loose connections. If any damage is observed, discontinue use and contact a qualified electrician or WAC Lighting support.
- Do not attempt to repair the unit yourself. Refer all servicing to qualified personnel.

6. TROUBLESHOOTING

If you encounter issues with your WAC Lighting EN-2460-P-AR-T transformer, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No power to InvisiLED tape light.	Transformer toggle switch is off. Loose power connection. Power outlet is not active. Overload or short circuit protection activated.	Ensure the toggle switch on the transformer is in the "ON" position. Check that the transformer is securely plugged into the wall outlet. Verify the wall outlet has power by plugging in another device. Check circuit breaker. Unplug the transformer, disconnect the tape light, wait a few minutes, then reconnect and plug in. Ensure total wattage of connected lights does not exceed 60W.

Problem	Possible Cause	Solution
Flickering or inconsistent light output when dimmed.	Incompatible dimmer. Dimmer installed on the secondary (low voltage) side. Minimum load not met.	Ensure you are using an electronic low voltage dimmer. Some dimmers may not be fully compatible. Confirm the dimmer is installed on the 120V AC input (primary) side of the transformer. While the transformer supports a 1W minimum load, ensure the connected LED load is sufficient and stable for the dimmer.
Transformer feels hot.	Normal operation (slight warmth). Overload. Poor ventilation.	A slight warmth is normal during operation. Ensure the total wattage of connected lights does not exceed 60W. Reduce load if necessary. Ensure the transformer is in a well-ventilated area and not covered.

If the problem persists after attempting these solutions, please contact WAC Lighting customer support.

7. SPECIFICATIONS

Specification	Detail
Model Number	EN-2460-P-AR-T
Input Voltage	120V AC
Output Voltage	24V AC
Wattage	60 Watts
Current Rating	5 Amps (Max)
Item Weight	7.2 ounces
Product Dimensions	3 x 2 x 2 inches
Color	Black
Material	Plastic
Style	InvisiLED (Plug-in)
Type of Bulb Supported	LED
Included Components	Mounting screws (not included, but unit has pre-drilled holes), wire connectors (for tape light connection)
Standards	Class 2, UL & cUL Listed for Damp Locations
UPC	790576163956

8. WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the warranty documentation provided with your purchase

or visit the official WAC Lighting website.

If you require technical assistance, have questions about installation, or need to report a product issue, please contact WAC Lighting customer support.

WAC Lighting Customer Support:

Please visit www.waclighting.com/support for contact information and resources.