

GE LED/DR/D2L/LW

GE 21378 Low Watt Dimmable LED Driver Instruction Manual

Model: LED/DR/D2L/LW

INTRODUCTION

This manual provides essential instructions for the safe installation, operation, and maintenance of your GE 21378 Low Watt Dimmable LED Driver. This LED driver is designed for use with LED tubes, supporting up to two bulbs, and features dimmable functionality with a 120 to 277V AC input voltage range.



Image: GE 21378 Low Watt Dimmable LED Driver. This image displays the compact, rectangular form factor of the LED driver, typically used for powering LED lighting fixtures.

IMPORTANT SAFETY INSTRUCTIONS

Please read and understand all safety instructions before installing or operating this device. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **WARNING: Risk of Electric Shock.** Disconnect power at the circuit breaker or fuse box before installation or

servicing.

- This product must be installed by a qualified electrician in accordance with all applicable national and local electrical codes.
- Do not use this device with incompatible LED loads. Refer to the specifications for compatible LED tube types.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Do not modify the driver or its components. Any modifications will void the warranty and may create safety hazards.
- Operate within the specified input and output voltage ranges.

SETUP AND INSTALLATION

Follow these steps for proper installation of the GE 21378 LED Driver.

1. **Power Disconnection:** Before beginning any installation, ensure that the main power supply to the circuit is turned off at the circuit breaker. Verify with a voltage tester.
2. **Mounting:** Mount the LED driver in a suitable enclosure or location that provides adequate ventilation and protection from moisture and extreme temperatures. The driver has a long, standard profile case form factor.
3. **Wiring Input (AC):** Connect the AC input wires from your power source to the designated input terminals on the LED driver. This driver supports 120V to 277V AC input. Ensure correct polarity (Line, Neutral, Ground) as per local codes.
4. **Wiring Output (DC):** Connect the DC output wires from the LED driver to your compatible LED tubes. This driver is intended for LED usage tubes and supports up to two bulbs. Ensure correct polarity (+ and -) for the LED load. The output voltage is 26 to 34V DC.
5. **Dimmer Connection (Optional):** If using a dimmable function, connect the dimmer control wires to the appropriate terminals on the driver. Refer to the dimmer manufacturer's instructions for specific wiring details. This driver is designed to be dimmable.
6. **Secure Connections:** Double-check all wire connections to ensure they are tight and properly insulated.
7. **Restore Power:** Once all connections are secure and verified, restore power at the circuit breaker.

OPERATING INSTRUCTIONS

The GE 21378 LED Driver operates automatically once properly installed and powered.

- **Power On/Off:** The LED driver will power the connected LED tubes when the AC input power is supplied. Use the wall switch or circuit breaker to turn the lighting system on or off.
- **Dimming Function:** If a compatible dimmer is connected, use the dimmer control (e.g., push button, app control if integrated) to adjust the brightness of the connected LED tubes. Ensure the dimmer is compatible with LED drivers.
- **Normal Operation:** The driver is designed for continuous operation within its specified environmental conditions.

MAINTENANCE

The GE 21378 LED Driver requires minimal maintenance. Regular inspections can help ensure optimal performance and longevity.

- **Power Disconnection:** Always disconnect power before performing any maintenance or cleaning.
- **Cleaning:** Periodically clean the exterior of the driver with a dry, soft cloth to remove dust and debris. Do not use liquid cleaners or solvents.
- **Inspection:** Annually inspect wiring connections for tightness and signs of wear or damage. Check for any

discoloration or unusual odors, which may indicate overheating.

- **Ventilation:** Ensure that the driver's mounting location allows for proper airflow to prevent overheating. Do not obstruct ventilation openings.
- **Component Replacement:** This device contains no user-serviceable parts. If the driver malfunctions, it should be replaced by a qualified professional.

TROUBLESHOOTING

If you experience issues with your GE 21378 LED Driver, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
LEDs do not light up	No power supply Incorrect wiring Faulty LED tubes Driver malfunction	Check circuit breaker and wall switch. Verify all input and output wiring connections. Test LED tubes with a known good driver. Replace the driver if other solutions fail.
LEDs flicker or dim inconsistently	Incompatible dimmer Loose connections Overloaded driver Faulty LED tubes	Ensure dimmer is compatible with LED drivers. Check all wiring connections for tightness. Verify total wattage of LED tubes does not exceed driver's output capacity (33W). Test LED tubes.
Driver is hot to the touch	Poor ventilation Overloaded driver Internal fault	Ensure adequate airflow around the driver. Reduce the load if exceeding 33W output. Disconnect power and replace the driver if overheating persists.

If troubleshooting steps do not resolve the issue, contact a qualified electrician or GE customer support.

SPECIFICATIONS

Feature	Detail
Model Number	LED/DR/D2L/LW
Brand	GE
Input Voltage	120-277V AC
Output Voltage	26-34V DC
Input Current	0.30A AC
Output Current	0.48A
Input Power	16W
Output Power	33W

Feature	Detail
Light Type	LED
Special Feature	Dimmable
Number of Bulbs Supported	2 (LED Usage Tubes)
Dimensions (L x W x H)	9 1/2 in x 1 5/16 in x 1 1/4 in (24.13 cm x 3.33 cm x 3.18 cm)
Case Form Factor	Long, Standard Profile, Class 2
Material	Copper
Manufacturer	GE
UPC	043168213783

WARRANTY INFORMATION

Specific warranty details for the GE 21378 LED Driver are typically provided with the product packaging or can be obtained from the point of purchase. Generally, GE products come with a limited warranty covering defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

For detailed warranty terms and conditions, please refer to the official GE website or contact GE customer support.

CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact GE customer support.

- **GE Official Website:** www.ge.com/lighting (or relevant product support page)
- **Phone Support:** Refer to the contact information provided on the product packaging or the official GE website for your region.

When contacting support, please have your product model number (LED/DR/D2L/LW) and proof of purchase readily available.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question