

Advance B007IBQQCA

Advance LED Driver (60-210V, 40-150W) User Manual

Model: B007IBQQCA

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient installation, operation, and maintenance of your Advance LED Driver. Please read this manual thoroughly before installation and retain it for future reference.

2. SAFETY INFORMATION

WARNING: Risk of electric shock. Installation should be performed by a qualified electrician in accordance with all national and local electrical codes.

- Disconnect power before installation or servicing.
- Ensure proper grounding to prevent electric shock.
- Do not exceed the specified input and output voltage/current ratings.
- This device is designed for specific LED loads. Do not use with other types of lighting.
- Operate within the specified environmental conditions (temperature, humidity).

3. PRODUCT OVERVIEW

The Advance LED Driver is a high-performance power supply designed for LED lighting applications. It provides a stable and efficient power source for compatible LED fixtures.

3.1 Key Features

- Wattage: 150 Watts
- Output Current: 700mA (non-adjustable)
- Output Voltage Range: 60-210V
- Input Voltage: 120-277V
- Dimming: 0-10V Isolated dimming
- Weather Rating: UL Dry & Damp location rated, IP66

3.2 Product Image



Figure 1: Advance LED Driver. The image displays the rectangular black casing of the driver with a label detailing electrical specifications, certifications (UL, CE), and a basic wiring diagram. The label indicates "Philips Advance" and "LED Driver".

4. SETUP AND INSTALLATION

Before beginning installation, ensure all power is disconnected at the circuit breaker. Refer to local and national electrical codes for proper wiring practices.

4.1 Wiring Diagram (Refer to Product Label)

The product label on the LED driver includes a wiring diagram. Typically, connections involve:

- **Input (AC):** Connect the AC input wires (Line, Neutral, Ground) from the power source to the corresponding input terminals on the driver.
- **Output (DC):** Connect the DC output wires (Positive, Negative) from the driver to the LED fixture. Ensure correct polarity.
- **Dimming (0-10V):** If using dimming functionality, connect the 0-10V dimming control wires to the designated dimming terminals on the driver.

Note: The output current is fixed at 700mA and is not adjustable.

4.2 Mounting

Mount the driver securely using appropriate fasteners. Ensure adequate ventilation around the driver to prevent overheating. The driver is rated for UL Dry & Damp locations and IP66, indicating protection against dust and powerful water jets.

5. OPERATING INSTRUCTIONS

Once properly installed and wired, restore power to the circuit. The LED driver will automatically power the connected LED fixture.

5.1 Dimming Functionality

This driver supports 0-10V isolated dimming. Connect a compatible 0-10V dimmer to the dimming terminals. Adjusting the dimmer will control the light output of the connected LED fixture.

6. MAINTENANCE

The Advance LED Driver is designed for long-term, reliable operation with minimal maintenance.

- Periodically inspect the driver and wiring for any signs of damage or wear.
- Ensure ventilation openings (if any) are clear of dust and debris.
- Clean the exterior with a soft, dry cloth if necessary. Do not use harsh chemicals or abrasive cleaners.
- If any issues arise, refer to the troubleshooting section or contact qualified personnel.

7. TROUBLESHOOTING

If the LED fixture is not operating as expected, perform the following checks:

Problem	Possible Cause	Solution
LEDs do not light up	No power to the driver; incorrect wiring; faulty LED fixture.	Check circuit breaker and power connections. Verify input and output wiring. Test LED fixture with a known good driver.
LEDs flicker or dim inconsistently	Loose connections; incompatible dimmer; faulty driver.	Inspect all wiring connections. Ensure dimmer is 0-10V compatible. Replace driver if necessary.
Driver is hot to the touch	Insufficient ventilation; overloaded driver.	Ensure adequate airflow around the driver. Verify the connected LED load does not exceed the driver's wattage rating.

8. SPECIFICATIONS

Electrical Specifications	
Input Voltage	120-277V AC
Output Voltage Range	60-210V DC
Output Current	700mA (Fixed)
Wattage	150 Watts
Dimming	0-10V Isolated
Current Rating (Input)	5 Amps
Physical & Environmental Specifications	
Dimensions (L x W x H)	8.38" x 2.35" x 1.47"
Weight	0.01 Ounces <i>(Note: Please verify actual product weight as this value may be a data entry anomaly.)</i>
Weather Rating	UL Dry & Damp location rated, IP66
Manufacturer	Advance

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact Advance customer service. Keep your purchase receipt for warranty claims.



