

User Manual

1. Product Introduction

This LED constant-current driver adopts long strip aluminum alloy housing with waterproof structure. It supplies stable constant-current power for LED luminaires. Widely used for LED wall washer, linear light, LED strip and outdoor lighting projects.

Aluminum casing provides excellent heat dissipation. It is suitable for indoor, damp and outdoor installation environments.

2. Product Appearance

- Housing: Extruded aluminum long-strip case, mounting holes on both ends for screw fixing.
- Cables: Two-end outgoing black rubber-sheath wires.
 - Input cable: 2-core wire for AC power supply.
 - Output cable: 2-core wire for LED load connection.
- Adjustment knob: Side potentiometer for fine-tuning output current (dimmable version).

3. Electrical Specifications (Fill actual parameters)

- Input Voltage: AC 100-240V, 50/60Hz
- Output Mode: Constant-current
- Rated Power: 75W
- Efficiency: $\geq 88\%$
- Power Factor: $PF > 0.9$
- Protection Class: IP65
- Operating Temperature: $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- Housing Material: Aluminum alloy

4. Wiring Instruction

Disconnect mains power before wiring!

1. AC Input

Connect the two input wires to AC mains (Live / Neutral). Polarity is interchangeable.

2. LED Output

Connect output wires to LED light source. Positive / Negative polarity must be distinguished. Reverse connection is forbidden.

3. Seal wire terminals properly for waterproof after wiring is finished.

5. Installation Guide

1. Fasten driver with screws through mounting holes at two ends. Reserve enough space for heat dissipation.
2. Do not install directly on flammable plastic materials.
3. Avoid sharp bending of cables to prevent sheath crack and water ingress for outdoor application.
4. Keep away from heat source and ponding area.

6. Built-in Protection

- Short-circuit Protection: Automatically shut down when output short-circuited, auto-recovery after fault removal.
- Over-current Protection: Limit output current under abnormal condition.
- Over-voltage Protection: Prevent high-voltage damage to LED chips.
- Over-temperature Protection: Reduce power or shut down at overheat; resume operation after cooling.

7. Safety Precautions

1. Installation shall be performed by qualified electrician. Never wire under live power.
2. Output short-circuit shall be avoided; long-time short-circuit may cause permanent damage.
3. Load power cannot exceed driver rated power.
4. Aluminum housing gets hot during operation, avoid scalding.
5. Do not immerse the driver in water.
6. Cut off power before maintenance or replacement.

FCC Warning

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.