FL-DU5 Universal 5-in-1 Dimmable Driver

TRIAC / phase, 0–10V, 1–10V, potentiometer and 10V PWM: 5-in-1 dimming
Electronic dimmable constant-voltage LED driver, 24V DC, 60 / 96 / 150 / 200 / 300 / 600 W

CAUTION

To reduce the risk of fire, electric shock or injury, read all of these instructions before you install the system. All installation work and electrical wiring must be done by a qualified electrician, following every applicable code and standard, such as the NEC and local building codes, including those for fire-rated construction.

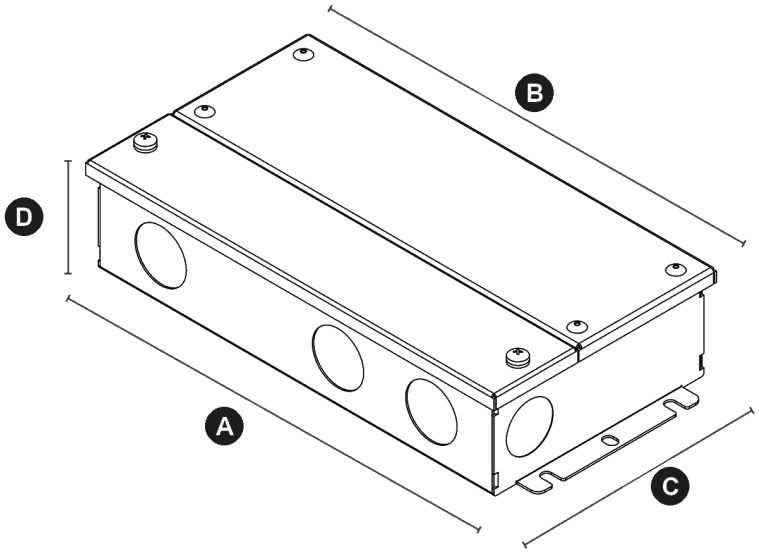
WARNING

1. Use branch-circuit conductors rated 105°C, 12 AWG maximum, in the wiring box.
2. Risk of electric shock. Disconnect the AC supply before installing.
3. There are no serviceable parts inside. Do not open the driver enclosure.
4. Never short the dimming control wires to the LED output wires.

QUICK SPECS

- 24V DC constant-voltage output
- Input 100–277VAC (60 W, 96 W); 110–277VAC (150–600 W)
- Load 10–100%
- Dimming: TRIAC / phase, 0–10V, 1–10V, potentiometer and 10V PWM
- Dry, damp and wet locations
- Short-circuit, overload and over-temperature protection
- For all other specifications, see the product label or the FL-DU5 spec sheet
- Sizes for each wattage: see Dimensions below

DIMENSIONS



WATTAGE	A	B	C	D
60 W	7.40	6.89	3.75	1.72
96 W	8.66	8.07	3.75	1.72
150 W	10.26	9.40	4.17	1.92
200 W	10.26	9.40	4.17	1.92
300 W	10.94	10.07	4.33	1.92

Inches. 600 W: the source lists 13.46 × 11.22 × 6.69 in (L × W × H) and gives no drawing.

BEFORE YOU INSTALL

1. Make sure the power is off before you install or modify the driver.
2. Do not install the driver where the ambient temperature is high (working range -40°F to +140°F / -40°C to 60°C) or near a source of fire.
3. This driver is designed for 100–277VAC line voltage (60 W, 96 W) or 110–277VAC (150–600 W). Any other supply will damage it and void the warranty. Class 2 output, as marked on the label.

FlowLite

Installation Instructions

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INSTALLING THE DRIVER

a. **Prepare.** Before mounting, remove the cover, open the wiring compartment and remove the knockouts for the input and output. Fit strain reliefs (wire clamps).

b. **Mount.** Place the driver on the mounting surface and tighten the screws through its mounting holes.

c. **Input connection.** Bring the line (black) and neutral (white) supply wires through the strain relief on the input side and join them to the driver's black and white leads with correctly sized, listed wire nuts. Connect the ground wire (green) to a suitable ground. Waterproof wire nuts are recommended.

d. **Output connection.** Bring the LED tape wires through the strain relief on the output side and join them to the driver's red (+) and black (−) leads with correctly sized, listed wire nuts. Make sure every connection is tight.

e. **Grounding.** The driver is grounded to its enclosure; ground the enclosure in accordance with the NEC and local code, and connect the driver's green lead to ground.

f. **Dimmer connection.** For 0–10V, 1–10V, 10V PWM or potentiometer dimming, bring the dimmer wires through the strain relief on the output side and connect them to the purple DIM+ and pink DIM− leads. Never connect DIM− to LED− or DIM+ to LED+, and make no other cross-connection.

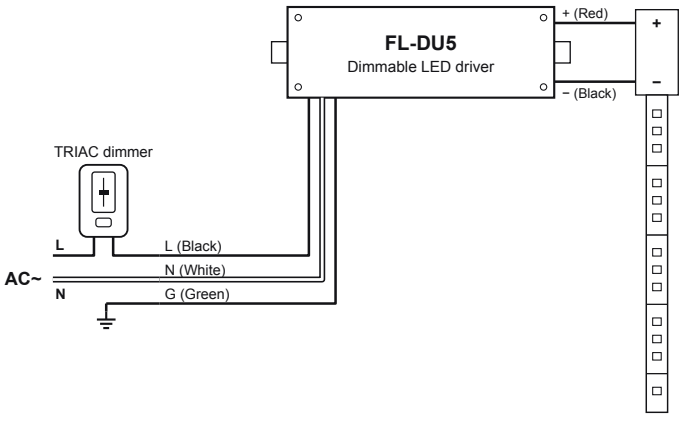
g. **Assembly.** Refit the cover and tighten its screws.

h. **Wire range.** Follow the wire range and strip length given for each connector type you use.

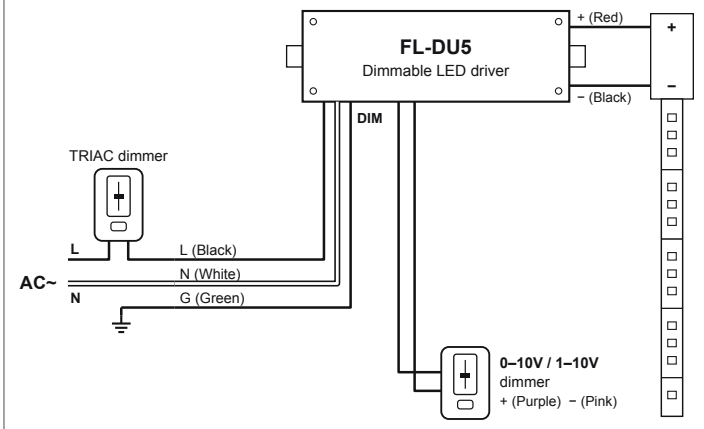
WIRING DIAGRAMS

These diagrams are for reference only. Your dimmer may be wired differently, so always follow the wiring diagram supplied by the dimmer's manufacturer.

1 TRIAC / phase dimming (primary)

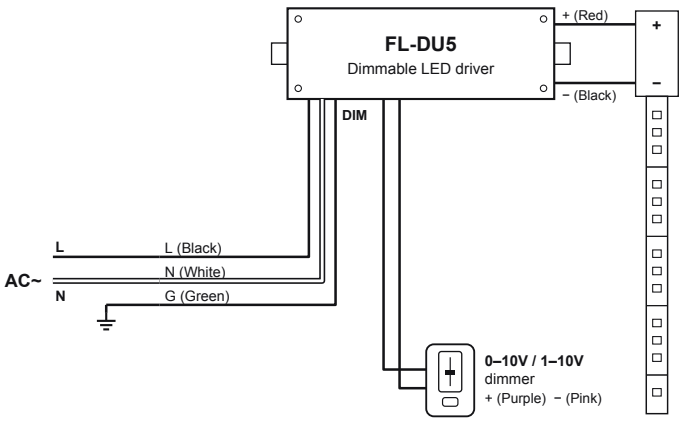


2 TRIAC + 0–10V / 1–10V



Set both dimmers to 100%, then operate one or the other.

3 0–10V / 1–10V / 10V PWM / potentiometer (secondary)



4 ON / OFF switch + 0–10V / 1–10V

