FL-DPJ Phase-Dimmable Junction Box Driver, 120V

ELV, MLV and TRIAC phase dimmable
Electronic dimmable constant-voltage LED driver, 24V DC, 60 / 96 / 150 / 200 / 300 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.

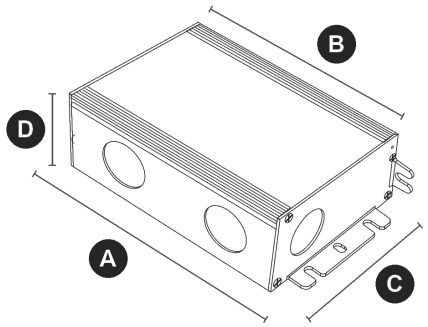
WARNING

1. Use connection wire rated for at least 90°C (194°F).
2. Risk of electric shock. Disconnect the AC supply before installing.
3. There are no serviceable parts inside. Do not open the driver enclosure.

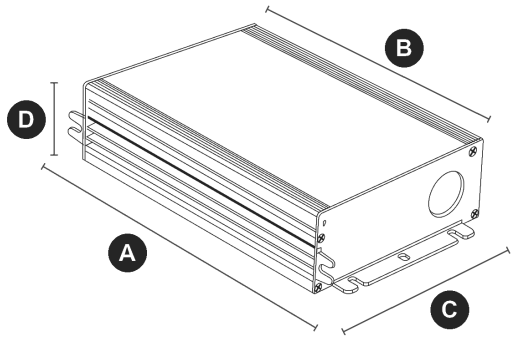
QUICK SPECS

- 24V DC constant-voltage output
- Input 120VAC, 50/60 Hz
- Dimming: ELV, MLV and TRIAC phase dimmers, 0–100%
- Dry, damp and wet locations (60 W label)
- Short-circuit and overload protection
- Class 2 output on the 60 W and 96 W models
- For all other specifications, see the product label or the FL-DPJ spec sheet
- Sizes for each wattage: see Dimensions below

DIMENSIONS



60 W · 96 W



150 W · 200 W · 300 W

WATTAGE	A	B	C	D
60 W	4.97	4.09	3.14	1.60
96 W	4.97	4.09	3.14	1.60
150 W	6.55	5.66	4.07	1.60
200 W	6.55	5.66	4.07	1.60
300 W	6.55	5.66	4.07	1.60

Inches. Top drawing: 60 W and 96 W housing. Bottom drawing: 150 W, 200 W and 300 W housing.

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 120VAC line voltage. Any other supply will damage it and void the warranty. Class 2 output on the 60 W and 96 W models, as marked.

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.** Fit the ELV, MLV or TRIAC phase dimmer on the line (L) that feeds the driver, as shown in the wiring diagram. The driver has no separate dimming leads.

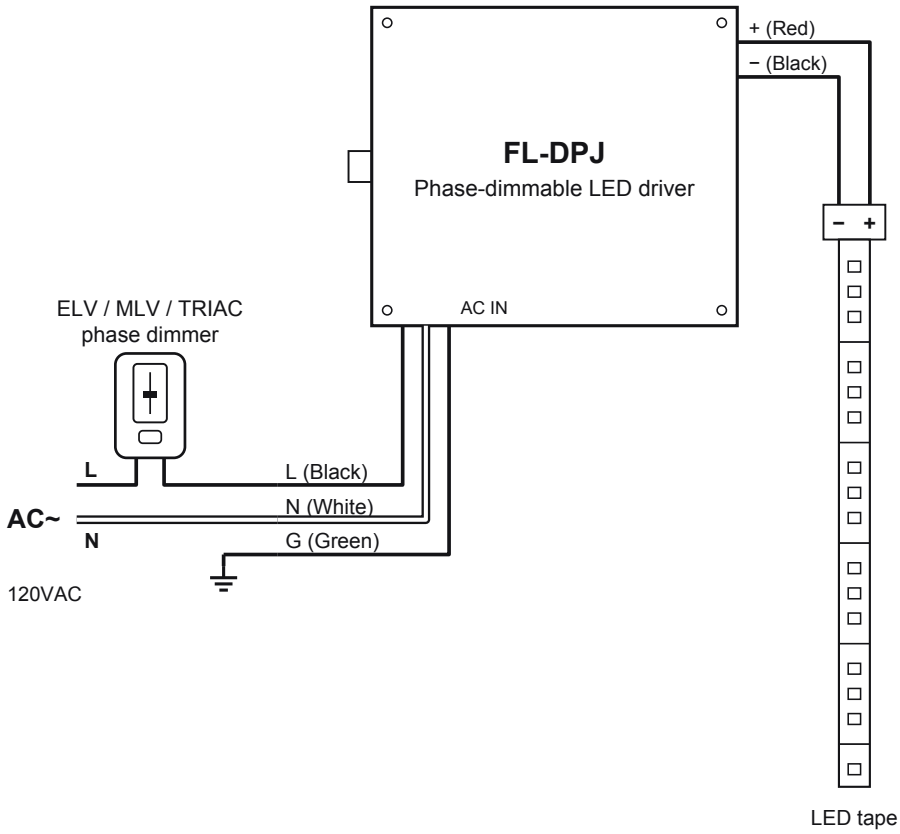
g. **Assembly.** Refit the cover and tighten its screws.

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 ELV / MLV / TRIAC phase dimming



LEADS (60 W LABEL)

AC L	Black Line input
AC N	White Neutral input
Ground	Green Ground
LED+	Red LED output +
LED−	Black LED output −

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