FL-DSM Smart Wi-Fi & Bluetooth Micro Driver

Smart driver: Wi-Fi + Bluetooth app and voice control, single-pole or 3-way
Constant-voltage micro LED driver, 24V DC, 96 / 160 W, 120VAC input

CAUTION

Read all of these instructions before you install. Installation and wiring must be done by a qualified electrician, following the NEC and local codes.

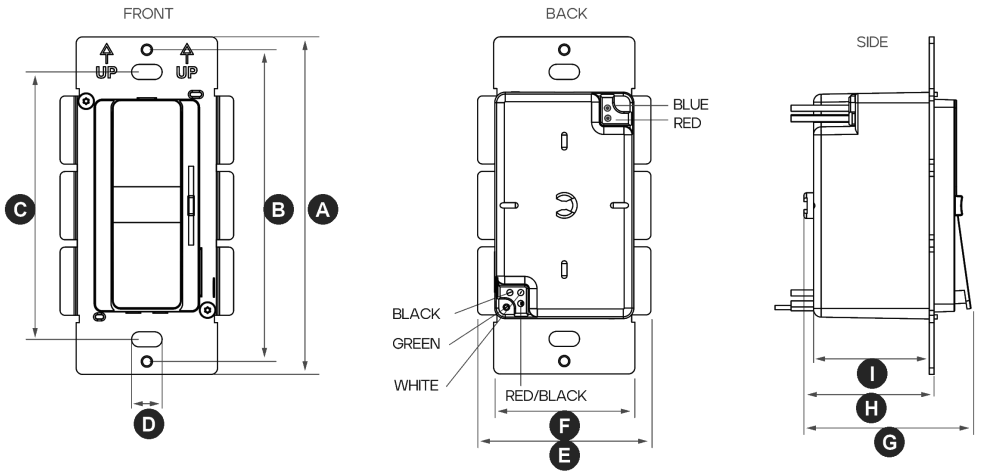
WARNING

1. Turn off the power at the circuit breaker before you install or service the driver.
2. For 120VAC, 60 Hz input only.
3. For dry and damp locations only.
4. Choose the driver by the rated current of the LED tape and the ambient temperature, and leave some load in reserve to extend the driver's life.
5. Derate with temperature: full load up to 104°F (40°C), falling to 60% load at 140°F (60°C).

QUICK SPECS

- 24V DC constant-voltage output, adjustable 24–26V by knob
- Input 120VAC, 60 Hz
- 96 W (4 A) or 160 W (6.67 A)
- Load 10–100%
- Wi-Fi + Bluetooth app and voice control; dimmer button with PUSH function
- Dimming range 0.3–100%
- Single-pole or 3-way
- Dry and damp locations
- Short-circuit, overload and over-temperature protection
- Working temperature -40°F to +140°F (-40°C to +60°C)

DIMENSIONS



	96 W	160 W
A	4.13	4.13
B	3.82	3.82
C	3.27	3.27
D	0.37	0.37
E	2.12	2.12
F	1.73	1.73
G	2.047	2.047
H	1.59	1.59
I	1.42	1.42

Inches. Both wattages use the same housing. A–D front, E–F back, G–I side.

LEAD IDENTIFICATION

LEAD	COLOUR	FUNCTION	CONNECT TO
L	Black	Line input	Supply line (single-pole) or 3-way switch L2
L1	Red/Black	Line input 2	Cap it (single-pole) or 3-way switch L1
N	White	Neutral	Supply neutral
FG	Green	Ground	Ground
V+	Red	LED +	Tape +
V−	Blue	LED −	Tape −

INSTALLING THE DRIVER

Driver installation

a. **Single-pole wiring.** Connect the supply line (L) to the driver's black (L) lead. Cap the red/black (L1) lead; it is not used (diagram 1).

b. **3-way wiring.** Connect the supply line to the common (L) terminal of the 3-way switch. Connect the switch's L2 terminal to the driver's black (L) lead and its L1 terminal to the red/black (L1) lead (diagram 2). An external PUSH dimmer can also be connected for 3-way dimming.

c. **Neutral and ground.** Connect the white (N) lead to the supply neutral and the green (FG) lead to ground.

d. **Output.** Connect the red (V+) lead to the tape's + and the blue (V−) lead to the tape's −.

e. **Load.** Check that the LED tape's total load is within the driver's rating (96 W / 4 A or 160 W / 6.67 A) after derating for the ambient temperature.

f. **Output adjustment.** If needed, fine-tune the output voltage between 24V and 26V with the adjustment knob.

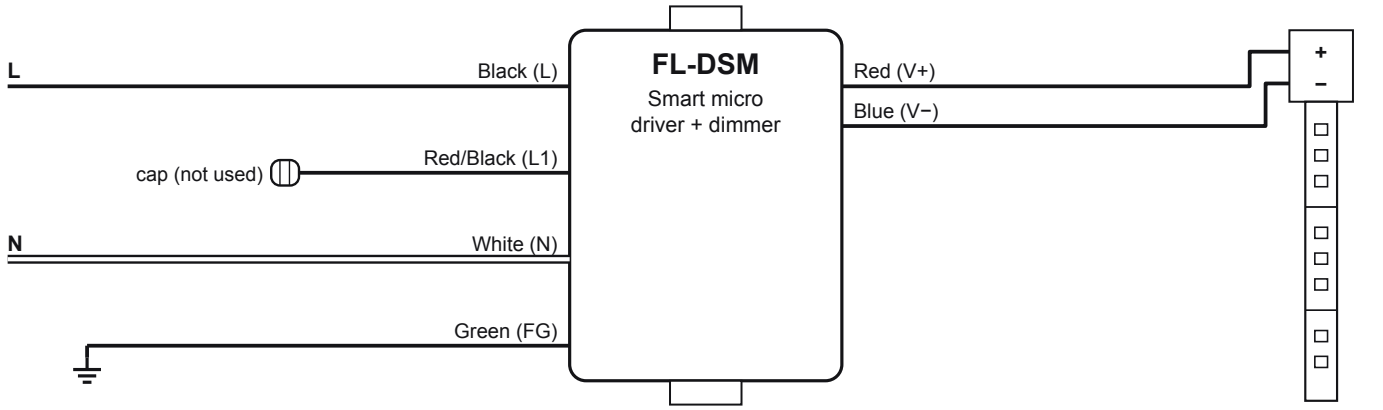
g. **Operation.** Use the dimmer button (PUSH function) on the unit, or the app over Wi-Fi or Bluetooth; no hub is required. Voice control works with Alexa and Google Home. Dimming range 0.3–100%.

WIRING DIAGRAMS

Each label gives the driver lead's colour and function. Diagram 1: single-pole; diagram 2: 3-way.

1 Single-pole wiring

AC 120V



2 3-way wiring

AC 120V

