FlowLite

Specification Sheet
Constant-Voltage LED Driver

Multi-Output Enclosed Driver, 288 W FL-DMT288

A 24V DC constant-voltage, TRIAC (phase-cut) dimmable driver with three outputs of 4 A (3 × 96 W, 288 W total), on a 100–277VAC input, in an enclosed junction-box housing.

AT A GLANCE

Type	Multi-output constant-voltage driver
Input	100–277VAC, 47–63 Hz
Output	24V DC, 3 × 4 A (3 × 96 W)
Total power	288 W
Dimming	TRIAC (phase-cut) dimmable
Dimming range	10–100%
Load	10–100%
Class 2	Yes
Location	Dry, damp and wet locations
Warranty	3 years

ORDERING GUIDE

MODEL	VOLTAGE
FL-DMT288-	☐
	24 24V DC

Example: **FL-DMT288-24** (288 W, 3 × 96 W outputs, 24V DC)



FEATURES

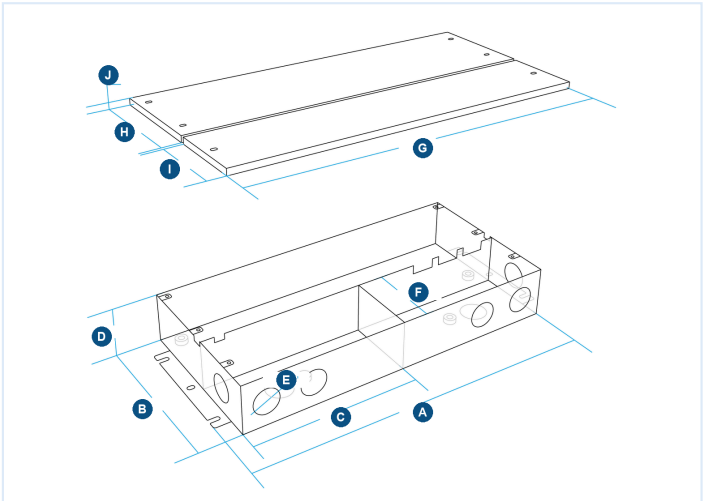
- Three 24V DC outputs, 4 A (96 W) each, 288 W in one enclosure
- TRIAC (phase-cut) dimmable, 10–100% dimming range
- 100–277VAC input, 47–63 Hz
- Power factor 0.99 at 120VAC (0.95 at 277VAC); THD under 20% at full load
- Short-circuit, overload and over-temperature protection
- Class 2 output, PWM output
- Suitable for dry, damp and wet locations

MODELS & PERFORMANCE

MODEL	RATED POWER	RATED CURRENT	INPUT VOLTAGE	MAX AC CURRENT	EFFICIENCY 120V / 277V	POWER FACTOR 120V / 277V	NET WEIGHT	CARTON
FL-DMT288-24	288 W (3 × 96 W)	3 × 4 A	100–277VAC	3.6 A @ 100VAC	87% / 89%	0.99 / 0.95	5.73 lb (2.6 kg)	10 pcs

Efficiency, power factor and THD are typical values at full load.

DIMENSIONS



DIM.	INCHES	MM
A	11.85	301
B	5.31	135
C	5.41	137.5
D	1.73	44
E	Ø0.87	Ø22.2
F	2.36	60
G	11.06	281
H	2.91	74
I	2.59	66
J	0.21	5.5

G–J: cover. Overall size 11.85 × 5.51 × 1.77 in (301 × 140 × 45 mm), L × W × H.

FlowLite

Specification Sheet
Constant-Voltage LED Driver

TECHNICAL SPECIFICATIONS

OUTPUT

DC voltage	24V
Voltage tolerance	±0.5V
Voltage regulation	±0.5%
Load regulation	±1%
Output type	PWM

INPUT

THD (full load)	<20%
Inrush current (typ.)	35 A (twidth 960 µs) at 120VAC; 43 A (twidth 1 ms) at 277VAC
Leakage current	<0.50 mA

DIMMING

Dimmer types	Forward phase, reverse phase, TRIAC, MLV, ELV

PROTECTION

Short circuit	Output shuts down; re-power to recover after the fault is removed
Overload	≤120%, hiccup mode; recovers automatically after the fault is removed
Over-temperature	212°F (100°C) ±10°C: output shuts down, recovers automatically after cooling

ENVIRONMENT

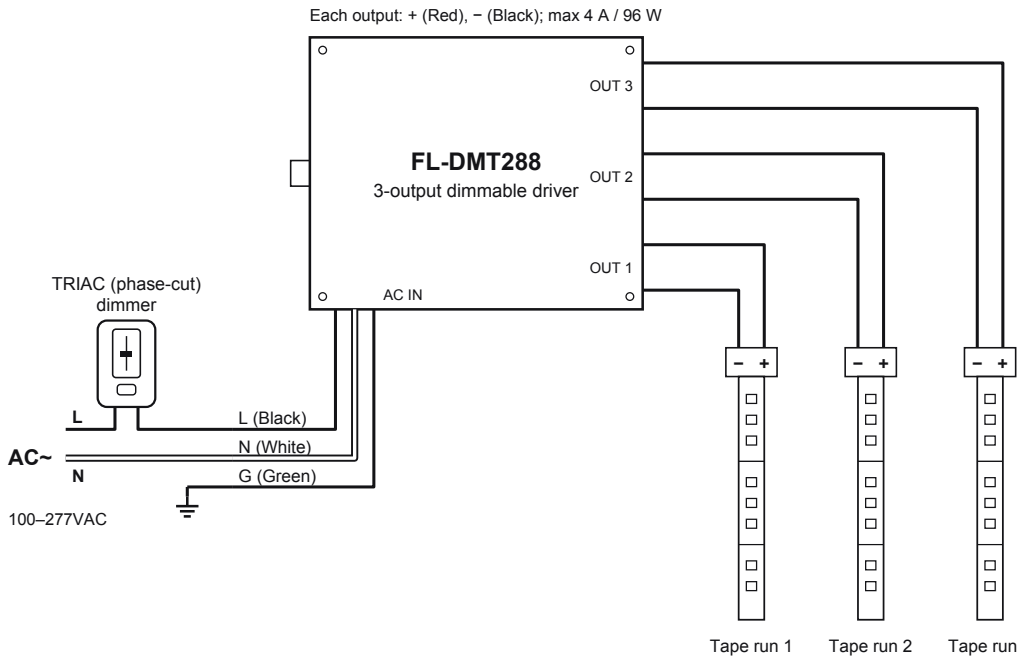
Working temperature	-40°F to +140°F (-40°C to 60°C)
Working humidity	20–90% RH, non-condensing
Storage	-40°F to +176°F (-40°C to 80°C), 10–95% RH
Temperature coefficient	±0.03% / °C (0–50°C)
Vibration	10–500 Hz, 5G, 10 min per cycle, 60 min each along X, Y and Z axes

SAFETY & EMC

Withstand voltage	I/P–O/P: 1.88 kVAC
Isolation resistance	I/P–O/P: 100 MΩ / 500VDC / 25°C / 70% RH
EMC emission	FCC Part 15B

WIRING DIAGRAMS

1 TRIAC (phase-cut) dimming, three outputs



LEADS (PRODUCT LABEL)

AC L	Black Line input
AC N	White Neutral input
Ground	Green Ground
LED+	Red Output +, on each of the 3 outputs
LED−	Black Output −, on each of the 3 outputs

Branch-circuit conductors up to 12 AWG rated 105°C are permitted in the wiring box.

• For reference only; follow the dimmer manufacturer's wiring diagram. Lead colours are from the product label. Full steps are on the FL-DMT288 installation sheet.