

# ZeroDrive

## 0-10V Constant Voltage LED Driver



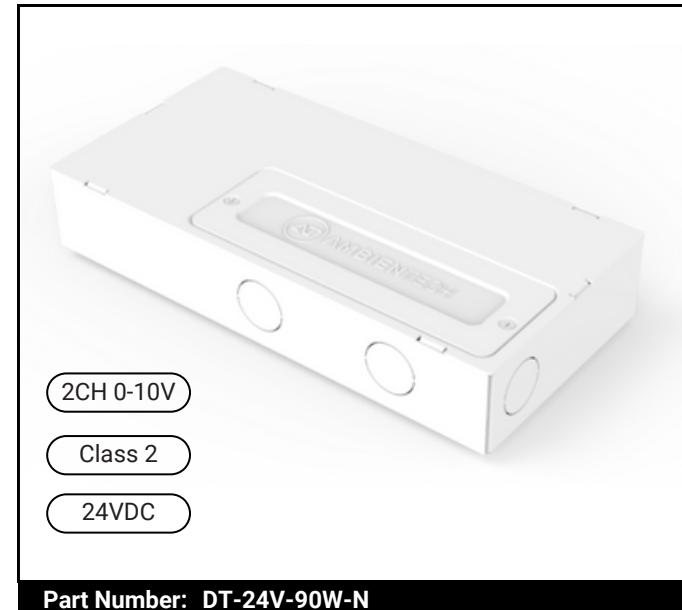
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## 0-10V Constant Voltage LED Driver



### Features

- Compatible with 0-10V Wall Switch / System
- 3 in 1 Dimming - Dimming, Dim-to-Warm & Tunable White
- Multi-Curve for Each Mode
- Eliminating the Need for an Extra Controller Module
- Compliant to IEEE and Title 24 Flicker Requirements
- Superior Dimming - Flicker Free to 0.1%
- UL Listed Class 2
- Wiring Compartments With Knock-Outs for Safe and Easy Installation
- Can be Loaded up to Max Wattage
- No Minimum Load Requirement
- Fast Delivery – Shipping out of NY



Part Number: DT-24V-90W-N



### Electrical Specifications

Specifications	Description
Max Power:	90W
Rated Current:	3.75A
Rated Voltage:	24VDC
No Load Voltage (No Load):	25.2VDC
Input Voltage:	120-277VAC
Input Frequency:	60Hz
Power Factor:	PF>0.96
Efficiency (Max Load):	89%
Over Current	CC Mode
Short Circuit:	Hiccup mode, auto-recovery after short circuit removed
Over Temperature:	90°C Max - Auto Recovery
Ambient Operating Temp:	-30 °C - + 40 °C / -86°F - + 104°F

### Enclosure Details

Dimensions	8.4"(213mm) x 4.1"(104mm) x 1.5"(38mm)
Material	Sheet Metal
Finish	Matt Powder Coat
Environmental	Dry and Damp Location



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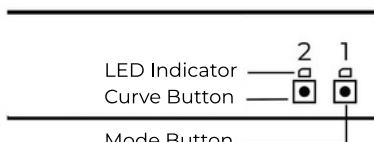
### Dimming Performance

Control Protocol:	0-10V
Control Channels:	2
Dimming Range:	100% -0.1%
Dim to Off:	Yes
Dimming Method:	PWM (2400Hz)
Dimming Curve:	Logarithmic (Default)

### Dimming Performance

MODE	LED(1)
RED	Tunable White
ORANGE	Dim to Warm
GREEN	Only Dimming

CURVE	LED(2)
Ax	Red
Bx	Orange
Cx	Green

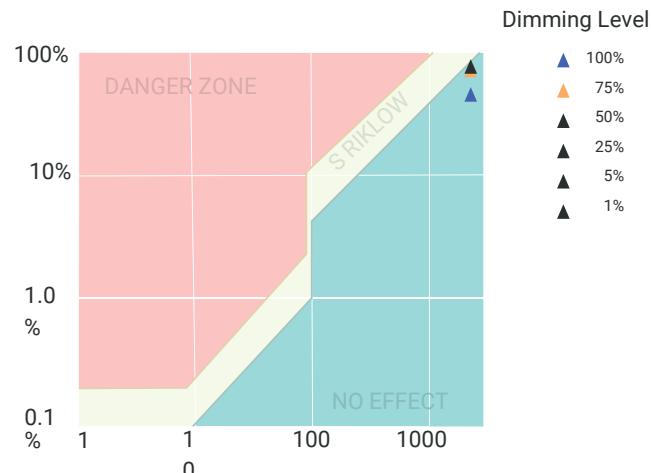


\* Press Button to Rotate Curve/Mode

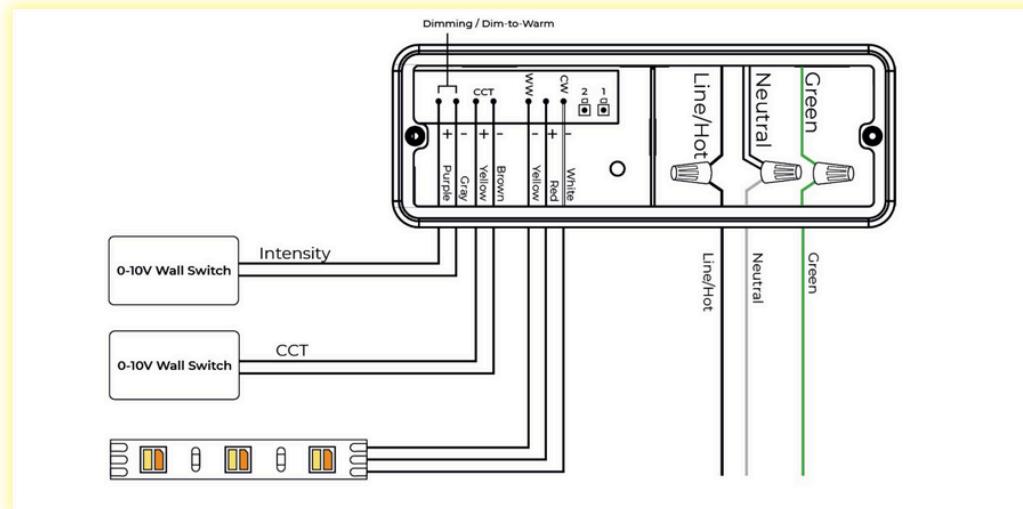
### Flicker Performance Graph

As defined in IEEE P1789, the results are presented with the low-risk in yellow and no observable effect in green.

Compliant to Title 24 Flicker Requirements.



### Wiring Overview



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### Dimmer Compatibility

Manufacturer	Product Line	Part Number
Lutron	Diva	DVTV
	Diva	DVSTV
	Diva	DVSCSTV
	Diva	DVSCSTV
	Nova	NTSTV-DV
Leviton	IllumaTec	IP710-LFZ
Legrand	radiant	RH4FBL3PTC
		RH4FBL3PW
AmbienTech	ZeroTone	ZEROX2-NSW-SA

### Mechanical Specifications

