



DriveTone

P/N:DT-24V-xxW-W

Color Temperature & Dimming Control LED Driver



Tunable White



Dimmable



Class 2

24VDC

The DriveTone LED drivers are the engine of the DimTone lighting system. Utilizing a wireless signal, it requires only the same wire set as a standard LED Driver, reducing labor time and installation cost. Providing smooth, dimming down to 0.1% before total darkness, and softly tuning color temperature.

This UL listed Class 2 Driver line has an integrated junction box with a separate input and output wiring compartment each with three $\frac{7}{8}$ " knockouts for easy and safe installation.

ENCLOSURE DETAILS

Dimensions	8" (213mm) x 4.1" (104mm) x 1.5" (38mm)
Material	Sheet Metal
Finish	Matt Powder Coat
Environmental	Indoor Use



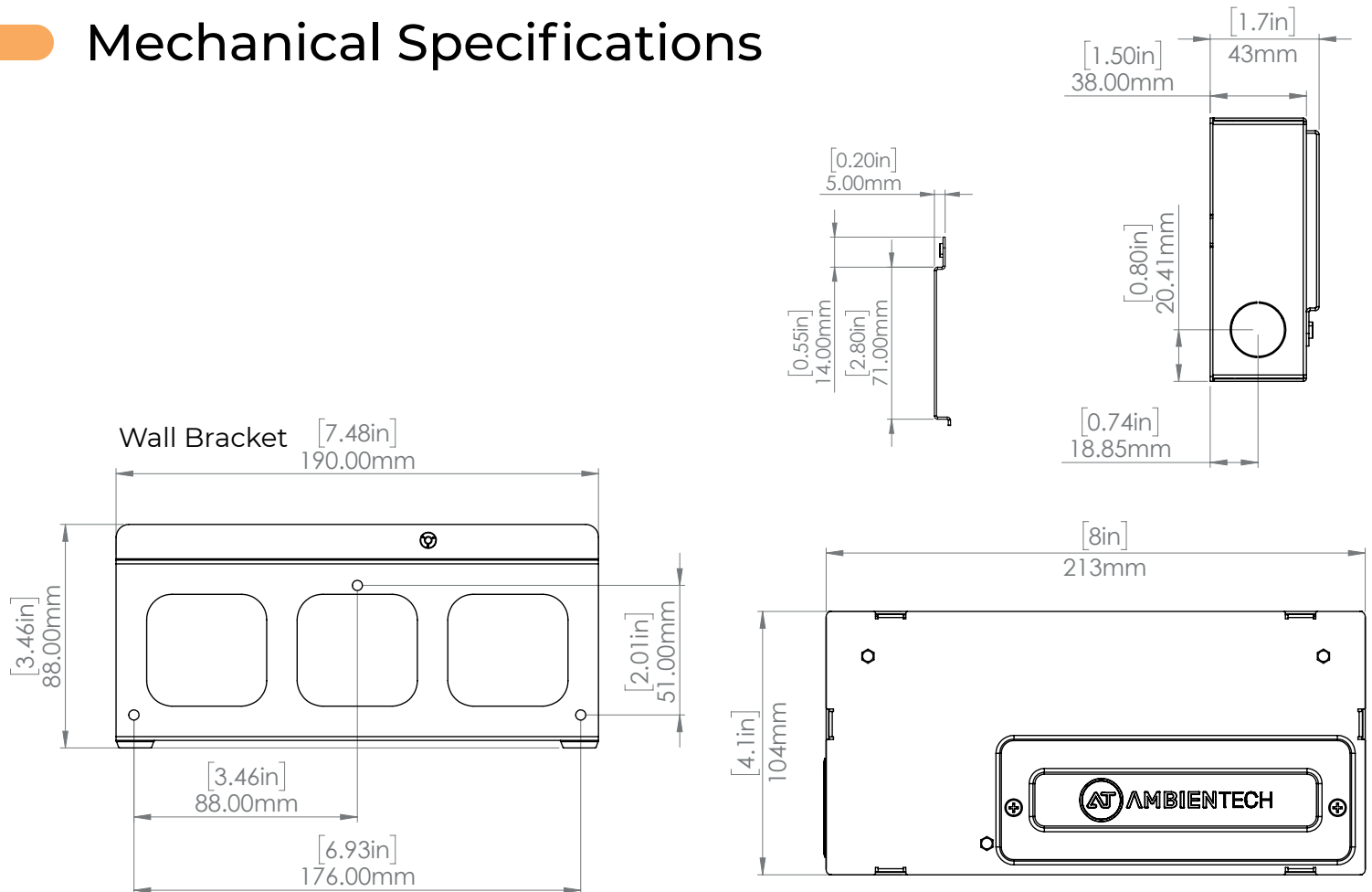
Features & Benefits

- Same Wire Set as a Standard LED Driver
- No Extra Components Necessary
- Superior Dimming- Flicker Free to 0.1%
- Smooth Color Temperature Control
- UL Listed Class 2
- Current Limit Overload Protection
- No Minimum Load Requirement
- Wiring Compartments With Knock-Outs for Safe and Easy Installation

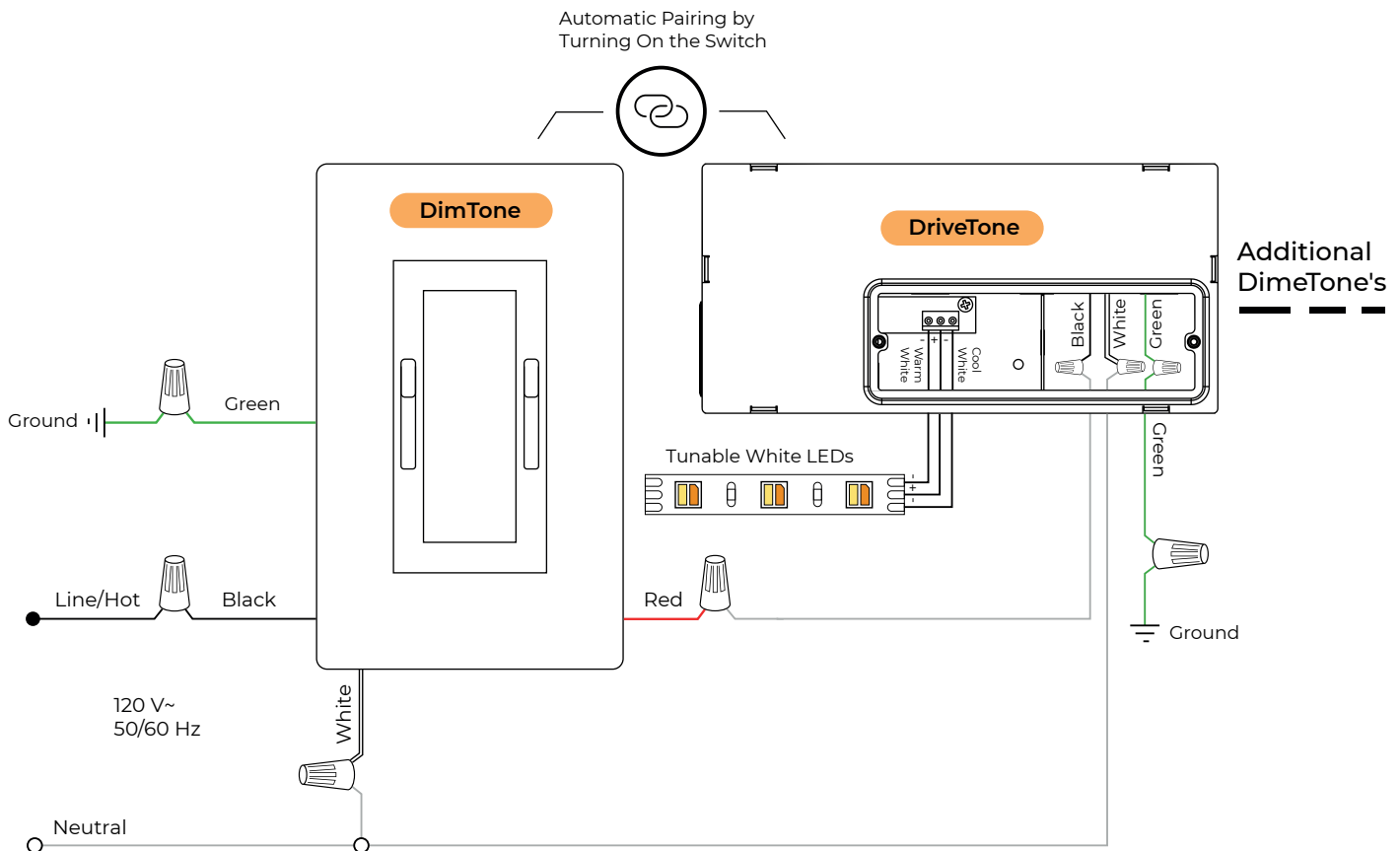
Eelectrical Specifications

	MODEL	DT-24V-90W-W	DT-24V-60W-W	DT-24V-40W-W
Output	Max Power	90W	60W	40W
	Rated Current	3.75A	2.5A	1.66A
	Rated Voltage	24VDC		
	No Load Voltage (No Load)	25.2VDC		
	Voltage Ripple & Noise (Max)	300mV (Vp-p)		
Input	Input Voltage	120VAC +/- 10%		
	Input Frequency	60Hz		
	Power Factor	PF>0.96		
	Efficiency (Max Load)	89%	87%	86%
Protection	Over Current	CC Mode		
	Short Circuit	Hiccup mode,auto-recovery after short circuit removed		
	Over Temperature	90°C Max - Turn off input voltage and restart		

Mechanical Specifications



Wiring Diagram

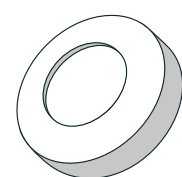
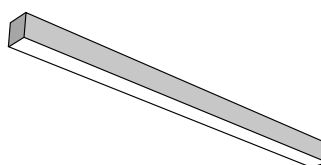
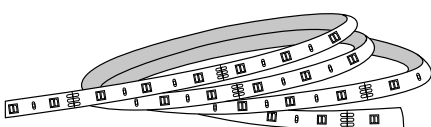


Plug & Play Tunable White Dimmer Switch

DimTone offers a single-switch, end-to-end approach, eliminating redundant components and compatibility issues for superior performance. With its wireless support, DimTone requires only the same wire set as a standard dimmer switch, reducing installation time and costs. Just plug and play to start customizing your lighting in moments. Device pairing takes place automatically when the light is first switched on, with no technical knowledge needed.

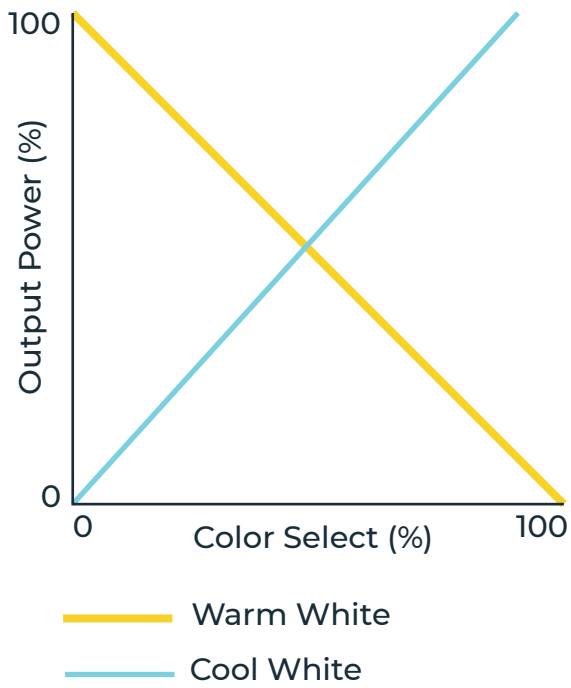
Compatible LEDs

The DimTone system is compatible with any Tunable White 24VDC LEDs. A full list of Tunable White LED fixture suppliers can be found on AmbienTech's website.

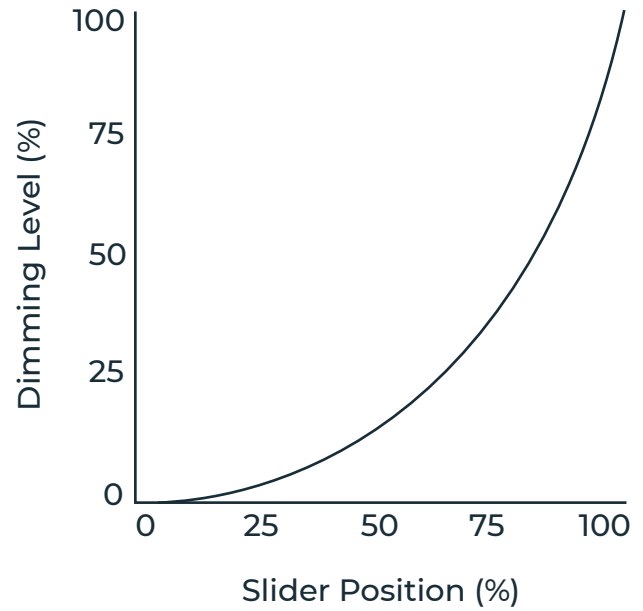


Performance Curves

Color Temperature



Dimming curve



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