

CCT Dimmable Dual Channel LED Driver - Constant Voltage 96W
0-10V/1-10V/Potentiometer/10V PWM (4 in 1) CCT Dimming
Output: Constant Voltage

Range: 100-277VAC

Efficiency: Up to 92%

Protections: Short circuit/ Over load/ Over Temperature

Dimming Function: 0-10V Dimming: 0-10V/1-10V/Potentiometer/10V PWM 4 in 1

Dimming Range: 0-100%

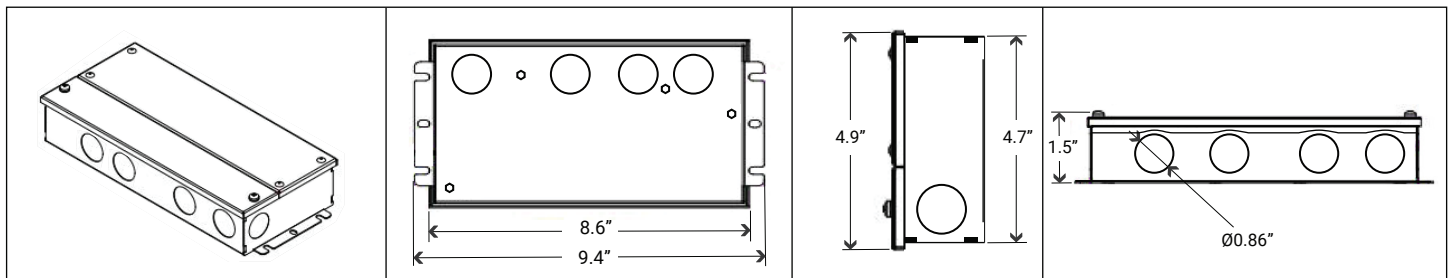
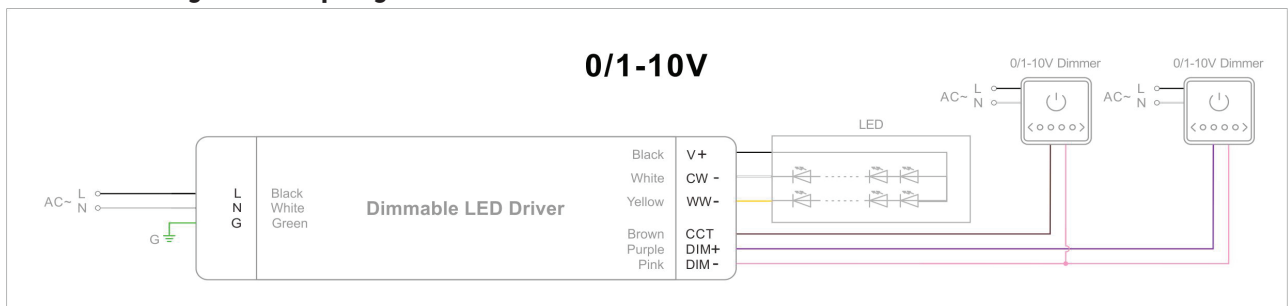
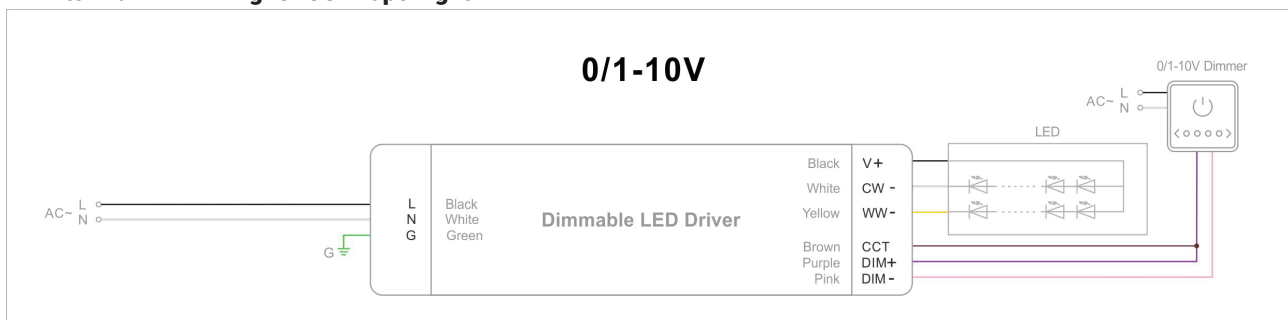
Frequency Range: 50 - 60Hz

Working TEMP: -40°C to +60°C / -40°F to 140°F

Warranty: 5 years Warranty

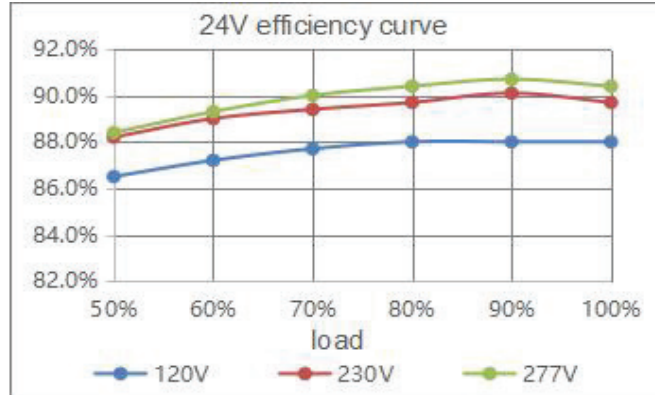
Flicker-free, 4KHZ PWM Output to reach the exemption level.
PN: ED-TWH-96W-24V

Model	Input Voltage	Output Voltage	Wattage	Rated Current	Location	Certificate
ED-TWH-96W-24	100-277VAC	24V	96W	4A	Dry, Damp & Wet Location	cULus, RoHS, Class 2, Class P

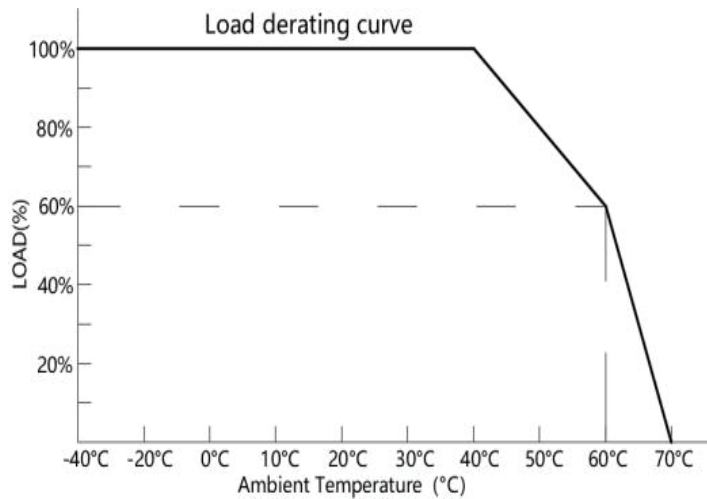
DIMENSIONS

Wiring Diagram
Tunable Dimming for CCT Tape Light

Dim-to-Warm Dimming for CCT Tape Light.


Model		ED-TWH-96W-24
Certificate		UL / cUL / FCC / Class 2 / CE / Class P / RoHS / REACH
Output	Rated Voltage	24V
	DC Voltage	24-26V adjust by NFC
	Voltage Tolerance	±0.5V
	Voltage Regulation	≤0.5%
	Rated current	4A
	Rated power	96W
	Load Regulation	≤1%
Input	Voltage Range	100-277VAC
	Frequency Range	50 - 60Hz
	Power Factor (Typ.) @ full load	PF≥0.99@120VAC PF≥0.95@230VAC PF≥0.93@277VAC
	THD(Typ.) @ full load	≤15%
	Efficiency(Typ.) @ full load	88%@120VAC 89%@230VAC 90%@277VAC
	AC Current (Max.)	1.2A
	Inrush Current (Typ.)	28A, 320us @50%120VAC 90A, 76us @50%230VAC 58A, 260us @50%277VAC
	Leakage current	<0.5mA
Protection	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed.
	Over Load	≤120% Hiccup mode,recovers automatically after fault condition is removed.
	Over temperature	Shell surface temp.100°C±10°C shut down o/p voltage, automatically recover after cooling
Environment	Working TEMP	-40~+60°C (see below derating curve)
	Working Humidity	20 -95%RH non-condensing
	Storage TEM.,Humidity	-40 - +80°C,10 - 95% RH non-condensing
	TEMP.coefficient	±0.03%/°C(0 - 50°C)
	Vibration	10~500Hz, 5G 12min./1 cycle, period for 72 min. each along X,Y,Z axes
Safety & EMC	Safety standards	UL8750 (US)
	Withstand voltage	I/P-O/P:1.8KVAC I/P-FG:1.8KVAC O/P-FG:1.8KVAC (US)
	Isolation resistance	I/P-O/P:100MΩ / 500VDC / 25°C / 70%RH
	EMC Emission	FCC Part 15 Subpart B,ANSI C63.4a-2017 (US)
Notes	<ol style="list-style-type: none"> All parameters NOT specially mentioned are measured at 120VAC input,rated load and 25°C of ambient temperature. Under low input voltage, derating output is required to ensure a long life. 	

Efficiency Curve (efficiency vs output load)



Derating Curve (output load vs TEMP.)



Power Factor Curve

