SDD-CCT series 96W

The driver is inside

Features

|	
Output:	Constant Voltage
Input Range:	120VAC
PFC design:	Built-in active PFC function
Protections:	Short circuit/ Over load/ Over temperature
Heat dissipation:	Cooling by free air convection
Waterproof performance:	For dry and damp locations (US)
Design features:	1) Fine-tuneoutputvoltagecanbeadjustedslightly
	2) Presetdimmerwithon/offswitch
	3) 3-Wayswitches
	4) Dimmingandcolortemperatureadjustmentfunction.
	5) Eliminatedcompatibilityissuesbetweendriversandswitches
Dimming range:	0.3%-100%
Application:	Suitable for the application of LED lighting
Warranty:	5 years warranty
Others:	20KHZ PWM output with dimming curve is a gamma 2.2 curve Flicker-free

**Driver+ Dimmer 2 in 1 constant voltage SDD-CCT series PWM output**

Specification

| Model		SDD-24096-CCT	SDD-48096-CCT
Certificate		UL / cUL / FCC / Class P / SELV / RoHS / Reach	
Output	DCRateVoltage	24V (24V-26Vadjustbyknob)	48V (48V-50Vadjustbyknob)
	VoltageTolerance	±0.5V	
	LoadRegulation	≤ 1%	≤ 1%
	LineRegulation	≤0.5%	
	Ratedcurrent	4A	2A
	Ratedpower	96W	96W
Input	VoltageRange	120VAC	
	FrequencyRange	47-63Hz	
	PowerFactor@fullload	0.99	
	THD(Typ.)@fullload	10%≤	
	Efficiency@fullload	91.0%	92.0%
	ACCurrent(Max.)	0.9A	0.9A
	InrushCurrent(Typ.)	50A,150us@50%Ipeak	
	Leakagecurrent	<0.5mA	
Protection	ShortCircuit	Hiccupmode,recoversautomaticallyafterfaultconditionisremoved	
	OverLoad	≥ 110%Hiccupmode,recoversautomaticallyafterfaultconditionisremoved	
	Over temperature	Shell surface temperature 100℃±10℃ shut down o/p voltage, automatically recover after cooling	
Environment	WorkingTEMP.	-40~+50℃(seebelowderatingcurve)	
	WorkingHumidity	20-95%RH non-condensing	
	StorageTEM.,Humidity	-40-+80 ℃,10-95%RHnon-condensing	
	TEMP.coefficient	±0.03%/℃(0-50℃)	
	Vibration	10~500Hz,2G12min./1cycle,periodfor72min.eachalongX,Y,Zaxes	
Safety & EMC	Safetystandards	UL8750 CAN/CSA-C22.2No.250.13(US)	
	Withstandvoltage	I/P-O/P:1.8KVAC I/P-F/G:1.8KVAC O/P-F/G:0.5KVAC(US)	
	Isolationresistance	I/P-O/P:100MΩ/500VDC/25℃/70%RH	
	EMCImmunity	FCC/ICESdonotrequestthistest(US)	
	EMCEmission	FCCPart15SubpartB ANSIC63.4:2014(US)	
Others	NetWeight	0.25KG	
	Dimension	105*54*51mm/ 4.134"x2.126"x1.996"(Inch)	
	Packing		
Notes		1. AllparametersNOTspeciallymentionedaremeasuredat120VACinput,ratedloadand25℃ofambienttemperature. 2. Tolerance:includessetuptoleranceandloadregulation.	

Efficiency Curve (efficiency vs output load)
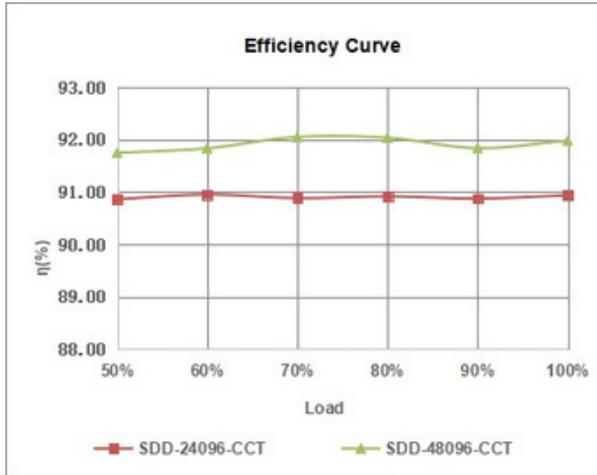

Power factor curve
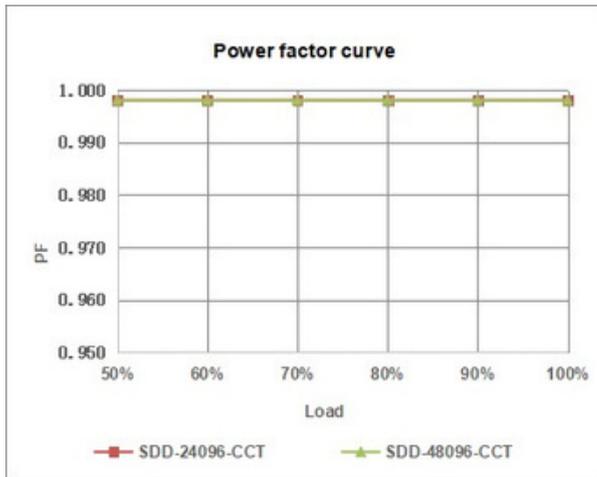
Derating Curve (Output power VS Ambient TEMP)
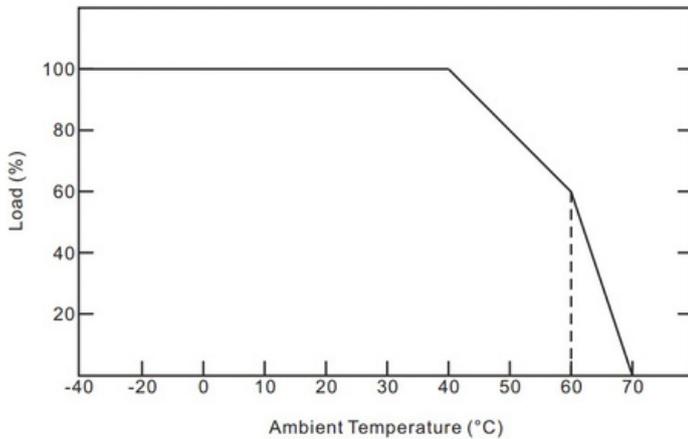
1. To extend their life, please refer to the Derating Curve and derate according to the temperature.
2. The output current of the LED driver should be selected according to the rated current of the lamp and the ambient temperature.

   Normally, we recommend the power supply to reserve a certain amount of load to extend LED driver's life .

Driver+ Dimmer 2 in 1 constant voltage SDD-CCT series   PWM output

Mechanical Specification
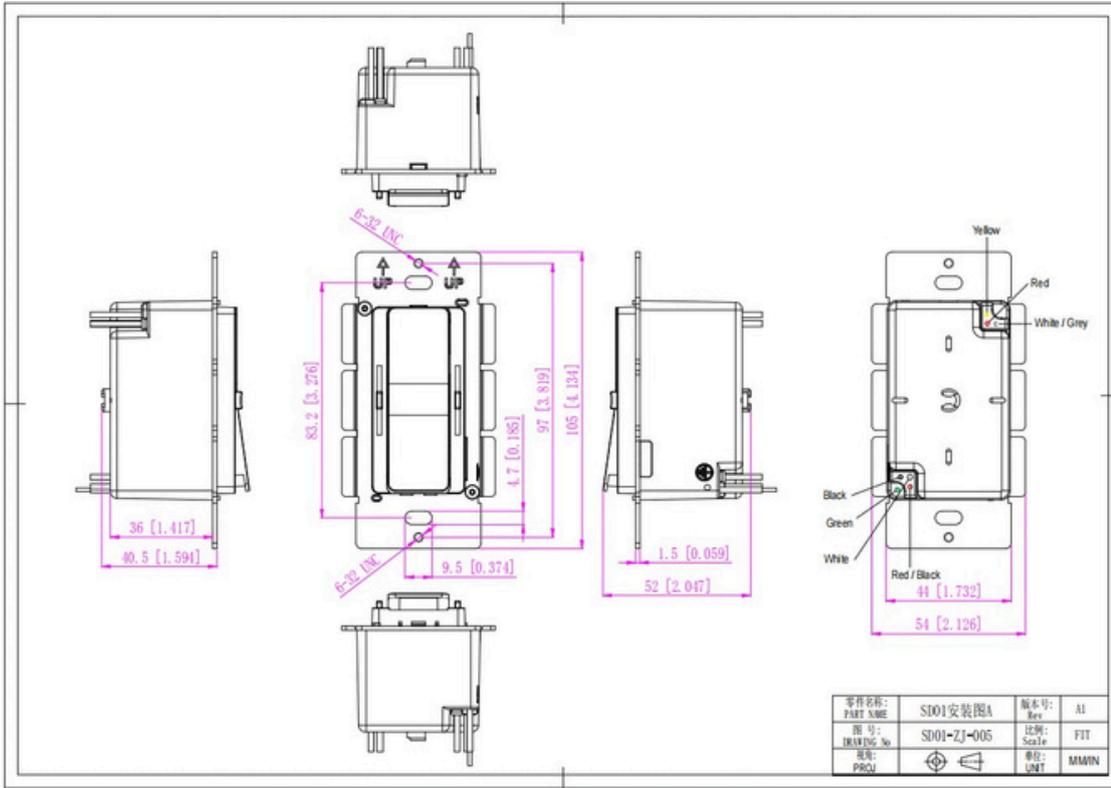
| American Wire Gauge	
	SD01
Input wires	Black cable (L), Red black cable (L1) , White cable (N) and Green cable (FG) (4*18AWG)
Output wires	Red cable (V+) ,White gray cable(CW-),Yellow cable(WW-) (3*18AWG)

Warm tips :
1.   Any other requests, we can customize.
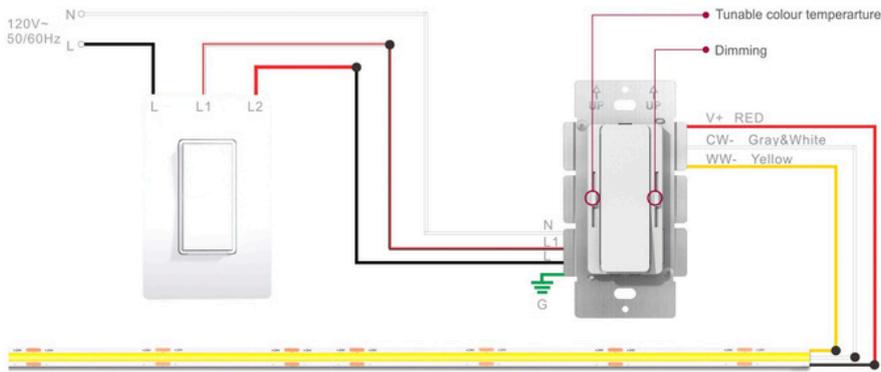2.   Please ensure that the connection is correct.

Dimming Operation and Connecting Diagram

①Wiring diagram of SDD-CCT model for standard dimming system
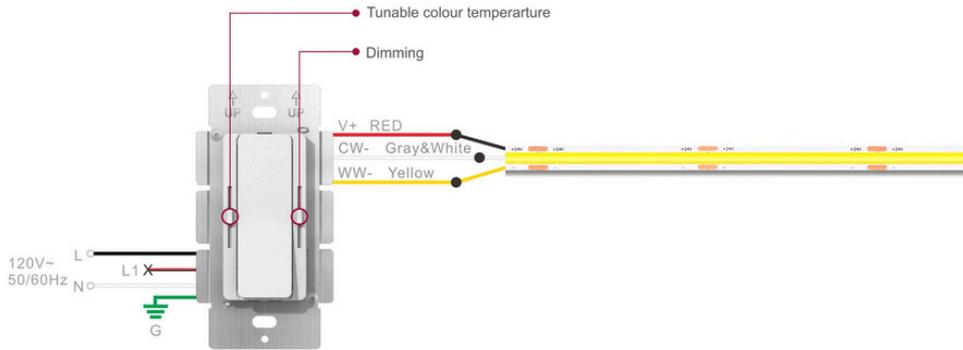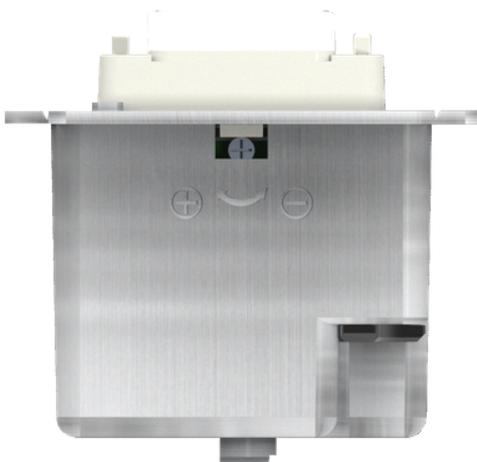

②Wiring diagram of SDD-CCT model for 3-way dimming system

Knob to adjust the voltage

Clockwise rotation of the high voltage

Instructions

- This driver+dimmer 2 in 1 should be installed by qualified and professional person.
- Please make sure the driver+dimmer 2 in 1 is installed with adequate ventilation around it to allow for heat dissipation.
- Ensure that connection is correct to avoid LED light or driver+dimmer 2 in 1 be damaged.
- If the driver+dimmer 2 in 1 cannot work normally, don't maintain privately.