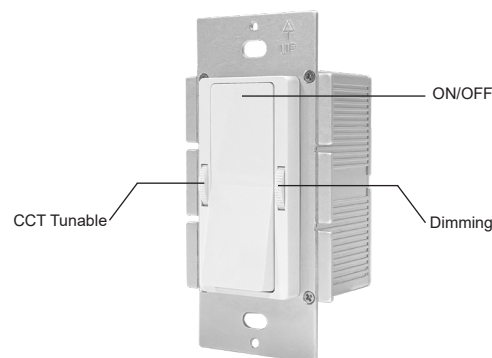


The WSLD Series 2-in-1 wall switch and LED driver is engineered to power and control constant voltage LED fixtures such as LED tape light, linear lights and cabinet lights. By combining the driver and dimmer into a single device, it eliminates common compatibility issues between power supplies and dimming switches. The WSLD automatically detects 12V or 24V LED loads and adjusts to the correct voltage accordingly delivering 1-100% smooth, flicker-free dimming. It is specifically designed to support both dimming and tunable CCT adjustments.



Model: _____ Date: _____
Accessories: _____
Job Name: _____ Type: _____



ORDERING INFORMATION (Example: WSLD-MVOLT-WH-CCT)

Series	Voltage	Color	Operation
WSLD	MVOLT = 12/24VDC Auto Detecting	AL = Almond	CCT = CCT Tunable & Dimmable
		BL = Black	DIM = Dimmable
		WH = White	

TECHNICAL SPECIFICATIONS

OUTPUT	12V	24V
Output Wattage	60W	96W
Output Current (Max.)	5A	4A
Output Power Range	0-60W	0-96W
Minimum Load	6%	
Dimming Interface	PWM Output with Dimming Curve of Gamma 2.2 Curve, 16KHz	

INPUT

Input Voltage	120-240VAC
Frequency	50/60Hz
Input Current (120VAC)	0.95A
Surge Current	30A, 150us @ 50% Peak
Efficiency (Typ.)	12V = 91%, 24V = 92%
Power Factor	0.95 @ 120VAC Full Load

ENVIRONMENT

Working Temperature	-25°C - 50°C
Approved Environments	Suitable for Dry, Damp Locations
Working Humidity	20-95%RH
Storage Temp., Humidity	-25°C - 80°C, 10-95%RH
Vibration	10-500Hz, 2G 12min./1 cycle, period for 72min. each along X, Y, Z axis
Tcase	90°C

PROTECTION	12V	24V
Over Current Protection	Shut down the output when current load $\geq 110\%$ and recover after cooling.	
Over Voltage Protection	Shut down the output when non-load voltage $\geq 14V$ (12VDC) or $\geq 28V$ (24VDC) and recover automatically	
Over Temperature	Automatically recover after cooling	
Short Circuit Protection	Hiccup Mode and recover automatically	

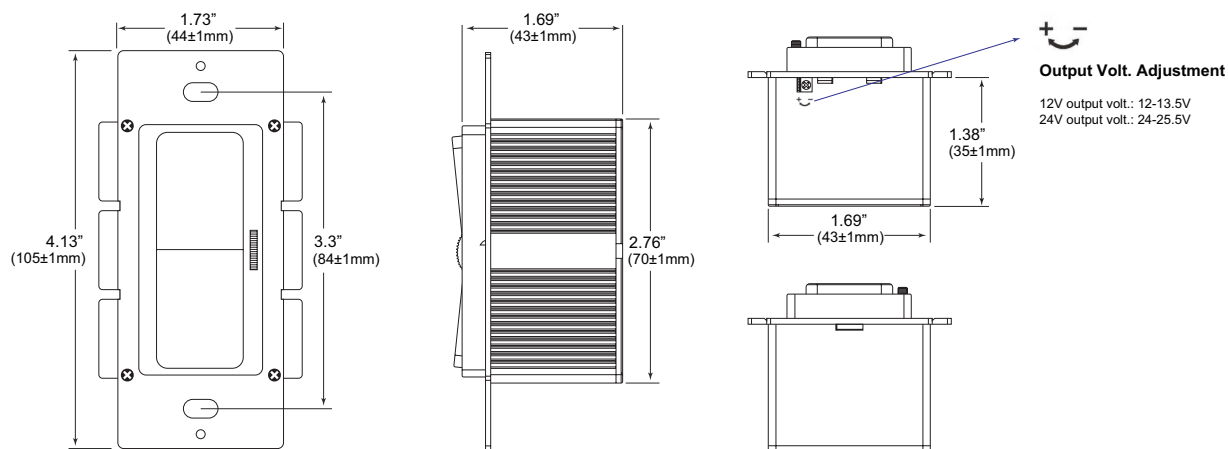
SAFETY & EMC

Safety Standards	UL8750 CAN/CSA-C22.2 NO.250.13 (US)
Isolation Resistance	100M Ω /500VDC/25°C/70%RH
EMC Emission	FCC Part 15 Subpart B

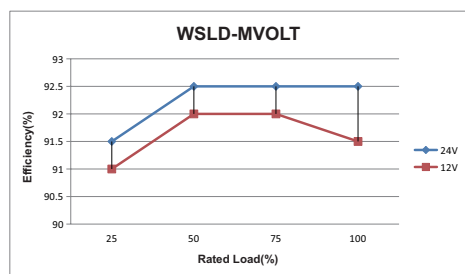
OTHERS

Lifetime	50,000 hours at $T_c \leq 80^\circ\text{C}$ maximum case hot spot temperature
Minimum Load	6%
Weight	0.55lbs (0.25kg)

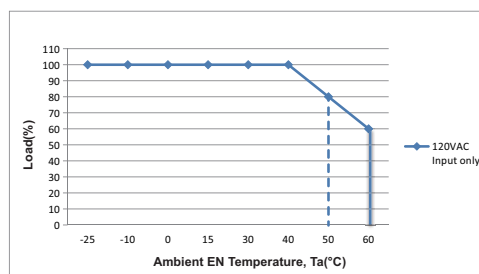
DIMENSIONS



OUTPUT LOAD VS. EFFICIENCY

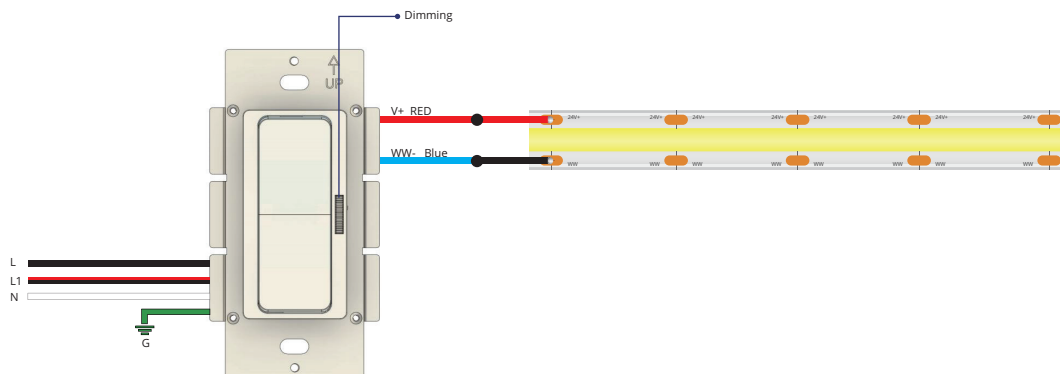


DERATING CURVE

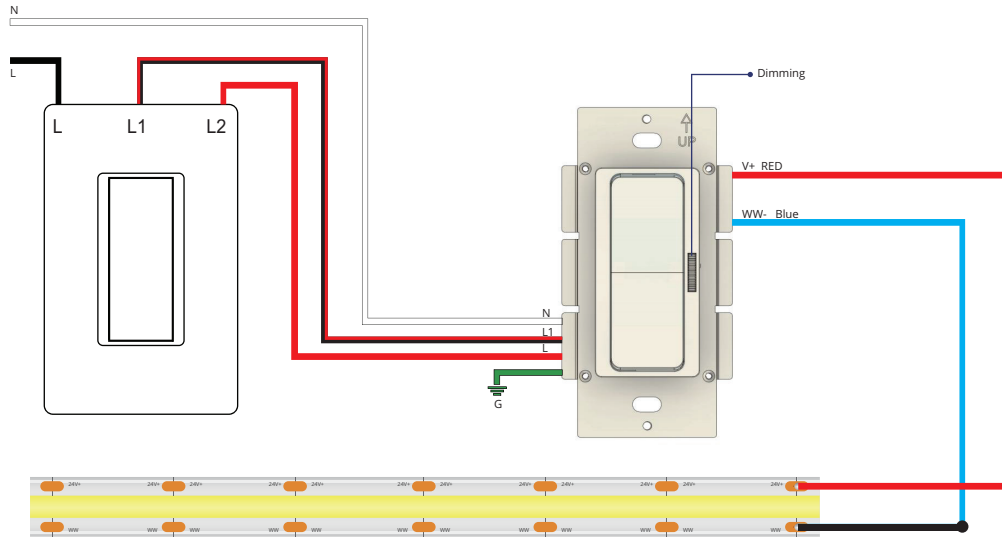


WIRING DIAGRAMS

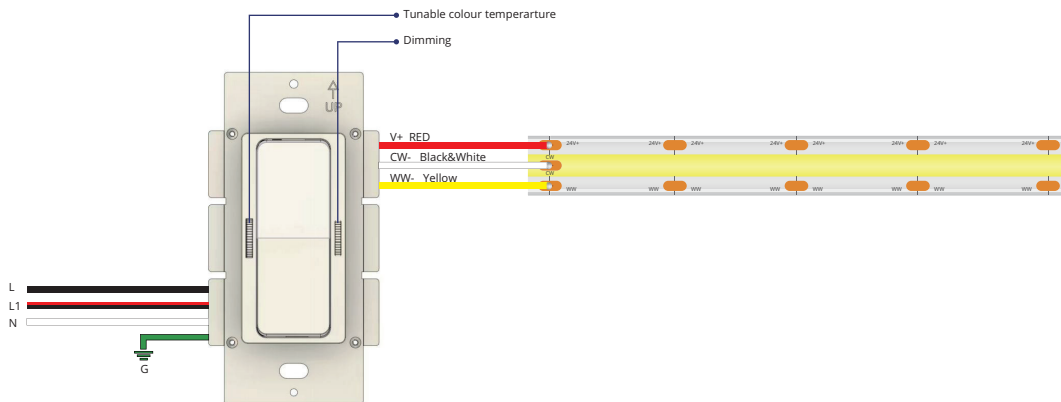
Standard Dimming (DIM Model)



3-Way Dimming (DIM Model)



Standard Dimming (CCT Model)



3-Way Dimming (CCT Model)

