

Project Name:	Type:
Product Code:	Date:

VANILLA CONSTANT VOLTAGE DRIVERS



U5D DRIVERS

The Vanilla Constant Voltage Drivers are a constant voltage, fine tune driver. It features 5 in 1 Dimming: Triac, 0-10V, 1-10V, 10V PWM and, Potentiometer Dimming. They have a dimming range of 0.1-100% that is flicker free. Along with this they feature Short-Circuit protection, Over-Temperature Protection and, Over-Load Protection. They have a very low loading request working perfectly at 10%-100%. Along with this the drivers are inclosed in a high quality aluminium housing for dry, damp and wet location.



PERFORMANCE

	5 IN 1 DIMMING LED DRIVER		
	30W	60W	96W
VOLTAGE:	110-277VAC		
DIMMING RANGE:	0.1-100% (FLICKER FREE)		
OUTPUT:	24 VDC		
ENCLOSURE:	ALUMINIUM		
DIMMING:	Triac / 0-10V / 10V PWM / POTENIOMETER		
STANDARD:	UL8750, CLASS 2		
WORKING TEMP:	-40~+140°F (-40~+60°C)		
OUTPUT VOLTAGE TUNING:	17V-25V  (Blue Knob)		

FREQUENCY ADJUSTMENT (Black Knob)

0:4000Hz	5:2000Hz
1:250Hz	6:3600Hz
2:400Hz	7:8000Hz
3:800Hz	8:16000Hz
4:1470Hz	9:20000Hz

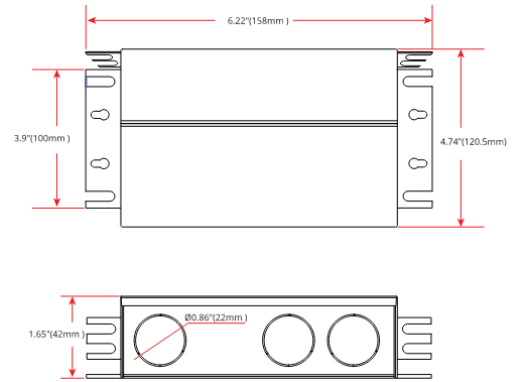
ORDER INFORMATION

Order Code			
MAKE	MODEL		
VAN	DVR	30W	24-U5D
		60W	
		96W	

KEY DIMENSIONS

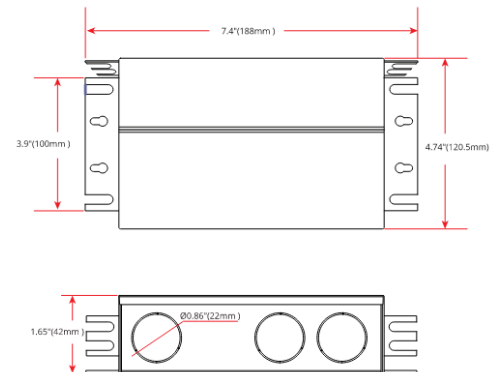
30W / 60W

Length: 6.2" (158mm) Width: 4.74" (120.5mm) Height: 1.65" (42mm)



96W

Length: 7.4" (188mm) Width: 4.74" (120.5mm) Height: 1.65" (42mm)



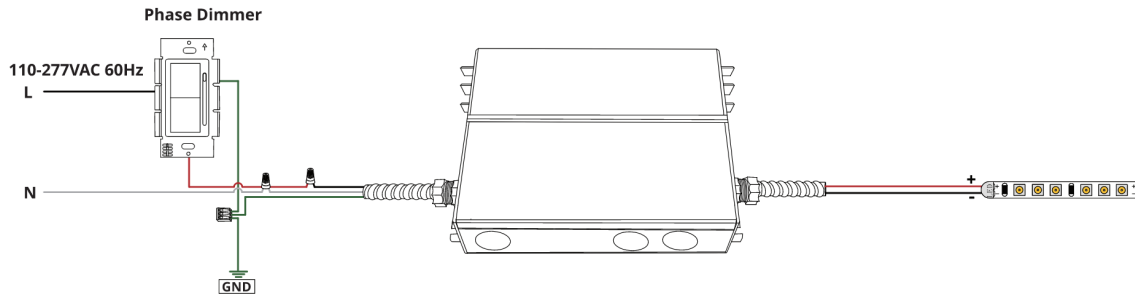
The Driver is recommended to be mounted in at least 2" of free flow air space to allow for proper ventilation.

TECHNICAL SPECIFICATIONS

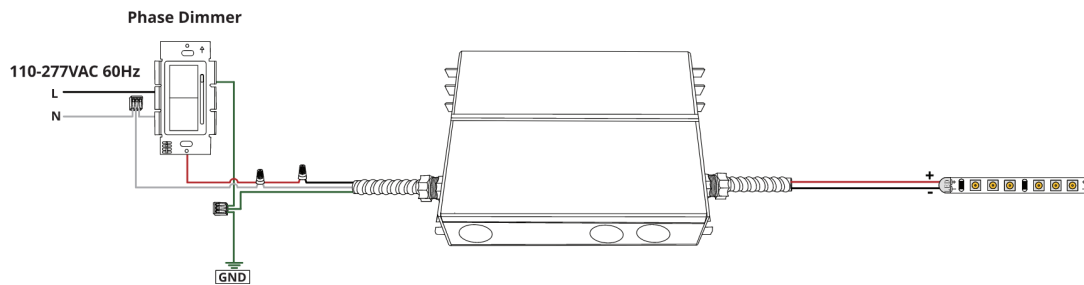
	30W DRIVER	60W DRIVER	96W DRIVER
RATED POWER:	30W	60W	96W
RATED VOLTAGE:	DC24V		
RATED CURRENT:	1.25A	2.5A	4A
VOLTAGE TOLERANCE:	±0.5V		
VOLTAGE REGULATION:	±0.5%		
LOAD REGULATION:	±1%		
VOLTAGE RANGE:	110-277VAC		
FREQUENCY RANGE:	47-63Hz		
EFFICIENCY (TYP.):	85%@120VAC / 86%@227VAC	87%@120VAC / 88%@227VAC	89%@120VAC / 90%@227VAC
THD:	THD<15%(@100% LOAD)		
POWER FACTOR (TYP.):	0.99@120VAC / 0.98@277VAC		
AC CURRENT (TYP.):	0.35A	0.65A	1.02A
INRUSH CURRENT (TYP.):	18A	20A	25A
CURRENT LEAKAGE:	<0.5mA		
SHORT CIRCUIT:	HICCUP MODE, RECOVERS AUTOMATICALLY AFTER FAULT CONDITION IS REMOVED		
OVER LOAD:	INTELLIGENTLY REDUCE THE OUTPUT VOLTAGE, AUTO-RECOVERY OR RE-POWER ON		
OVER TEMPERATURE:	100°C±10°C SHUT DOWN O/P VOLTAGE, AUTOMATICALLY RECOVER AFTER COOLING		
WORKING TEMP:	TCASE=-40~+140°F (-40~+60°C)		
WORKING HUMIDITY:	20~95% RH NON-CONDENSING		
STORAGE TEMP HUMIDITY:	-40~+194°F (-40~+90°C), 10~95% RH		
TEMP COEFFICIENT:	±0.03%/°C (0~50°C)		
VIBRATION:	10~500Hz, 5G 10min./1 cycle, period for 60min		
SAFETY STANDARDS:	UL8750, CAN/CSA-C22.2 No. 250.13, CLASS 2		
WITHSTAND VOLTAGE:	I/P-O/P:1.88KVAC		
ISOLATION RESISTANCE:	I/P-O/P:100MΩ / 500VDC / 25°C / 70% RH		
EMC EMISSION:	COMPLIANCE TO FCC PART 15, SUBPART B		

WIRING DIAGRAMS

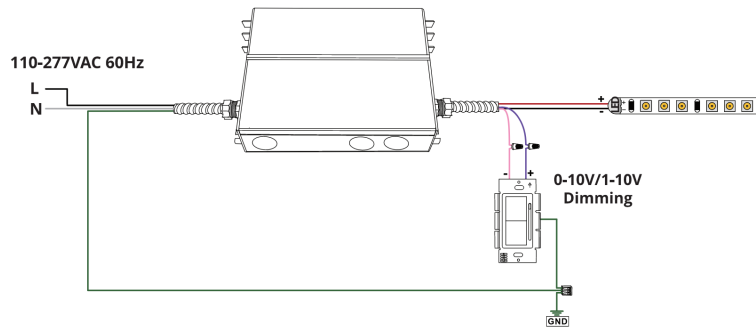
MLV TRIAC DIMMING



ELV DIMMING



0-10V / 1-10V DIMMING (The Driver is Independantly Connected to the Input)



0-10V / 1-10V DIMMING (The Driver Input is Connected to the Dimmer)

