96W LED CONSTANT VOLTAGE DRIVER

POWER SUPPLIES

PROJECT:

PREPARED BY:

DATE:

TYPE:

FEATURE

- Output constant voltage
- Built-in PFC function
- Protections: short circuit/ over voltage/ over heat
- Cooling by free air convection
- Flicker-free
- Class 2, Class P, Type HL, CE, UL, FCC compliant
- Metal housing
- Suitable for dry location & wet location
- Compatible with Forward phase, Reverse phase, Triac, MLV, ELV Dimmers
- 5 years warranty

PERFORMANCE

• Wattage	96W	• Environment	Dry / Damp / Wet
• Input Voltage	120VAC	• Minimum Load	20%
• PF	>0.95	• THD	<20%
• Efficiency	88%	• Weight	0.77 lb
• Dimming Range	0-100%	• Dimensions	L 4.97” x W 3.15” x H 1.59”

ORDERING GUIDE

Model	Dimming	Output Voltage	Wattage	Current	Load Regulation
LB55465	Triac / ELV / MLV	24V	96W	4A	1.5±

ICES-005 Class P Class 2 TYPE HL SELV RoHS Reach

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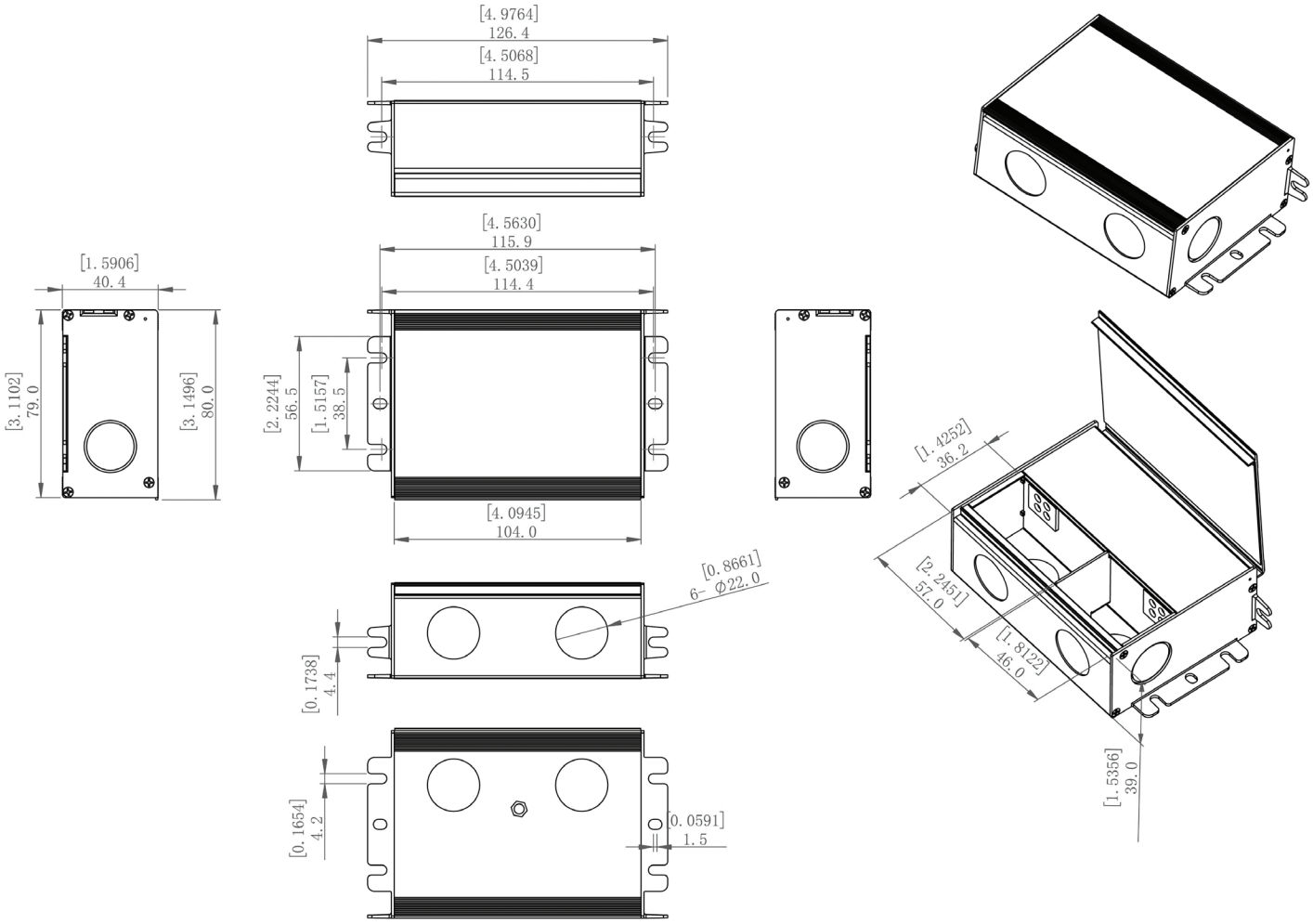
DIMENSION



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SPECIFICATION CHART

Output	Voltage	24V
	Voltage Tolerance	±1.5V
	Rated Current	4A
	Rate Power	96W
Input	Voltage Range	120VAC
	Frequency Range	50/60Hz
	Power Factor (Typ.)	>0.95
	THD (Typ.)	<20%@100% Load
	Efficiency (Typ.)	88%@120VAC
	AC Current (Typ.)	0.9A
	Standby Power	≤0.5W
	Leakage Current	<0.5mA / 120VAC
Protection	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed
	Over Load	Hiccup mode, recovers automatically after fault condition is removed
Environment	Working Temperature	-40˚C to 60˚C
	Working Humidity	20-95% RH Non-condensing
	Storage Temperature	-40˚C to 90˚C, 10-95%RH
	Temperature coefficient	±0.03%˚C (0-50%˚C)
	Vibration	10-500Hz, 5G 10 minutes/cycles, period for 60min, each along X, Y, Z axes
Safety & EMC	Safety standards	UL 8750; CAN/CSA-C22.2 No.250.13
	Withstand Voltage	I/P-O/P: 1.88KVAC
	EMC Immunity	FCC/ICES do not request this test
	EMC Emission	CFR47 FCC Part15 Subpart: B:2020; ICES-005 Issue 5; ANSI C63.4a-2017

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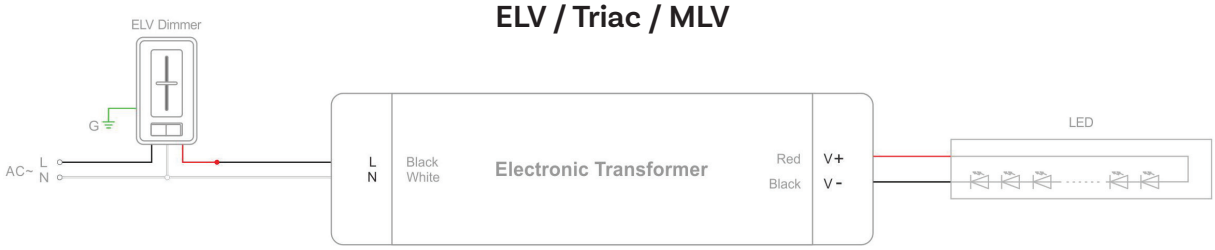
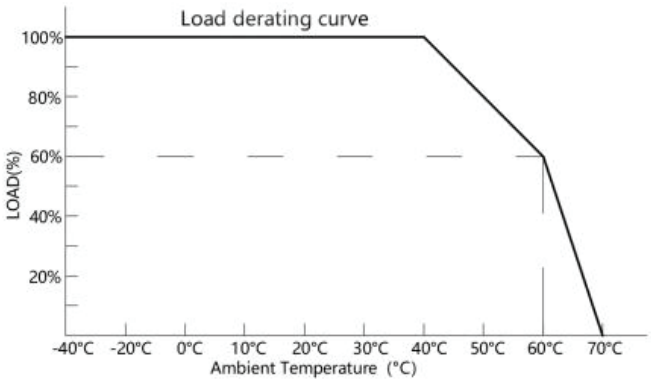
DIMMING AND CONNECTING DIAGRAM

ELV / Triac / MLV



DERATING CURVE (OUTPUT LOAD vs TEMP.)



Instruction

To extend their life, please refer to the Derating Curve and derate according to the temperature.

1. This driver should be installed by qualified and professional person.
2. Please make sure the driver is installed with adequate ventilation around it to allow for heat dissipation.
3. Ensure that wiring is correct before test in order to avoid light and power supply damage.
4. If driver Cannot work normally, don't maintain privately.

Warm tip:

All Electronic Transformer meet the harmonic emissions requirements of ANSI C82.77-10.