



60W 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	60W	• 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
LB55463	Triac / ELV / MLV	24V	60W	2.5A	1.5±



ICES-005 Class P Class 2 TYPE HL SELV RoHS

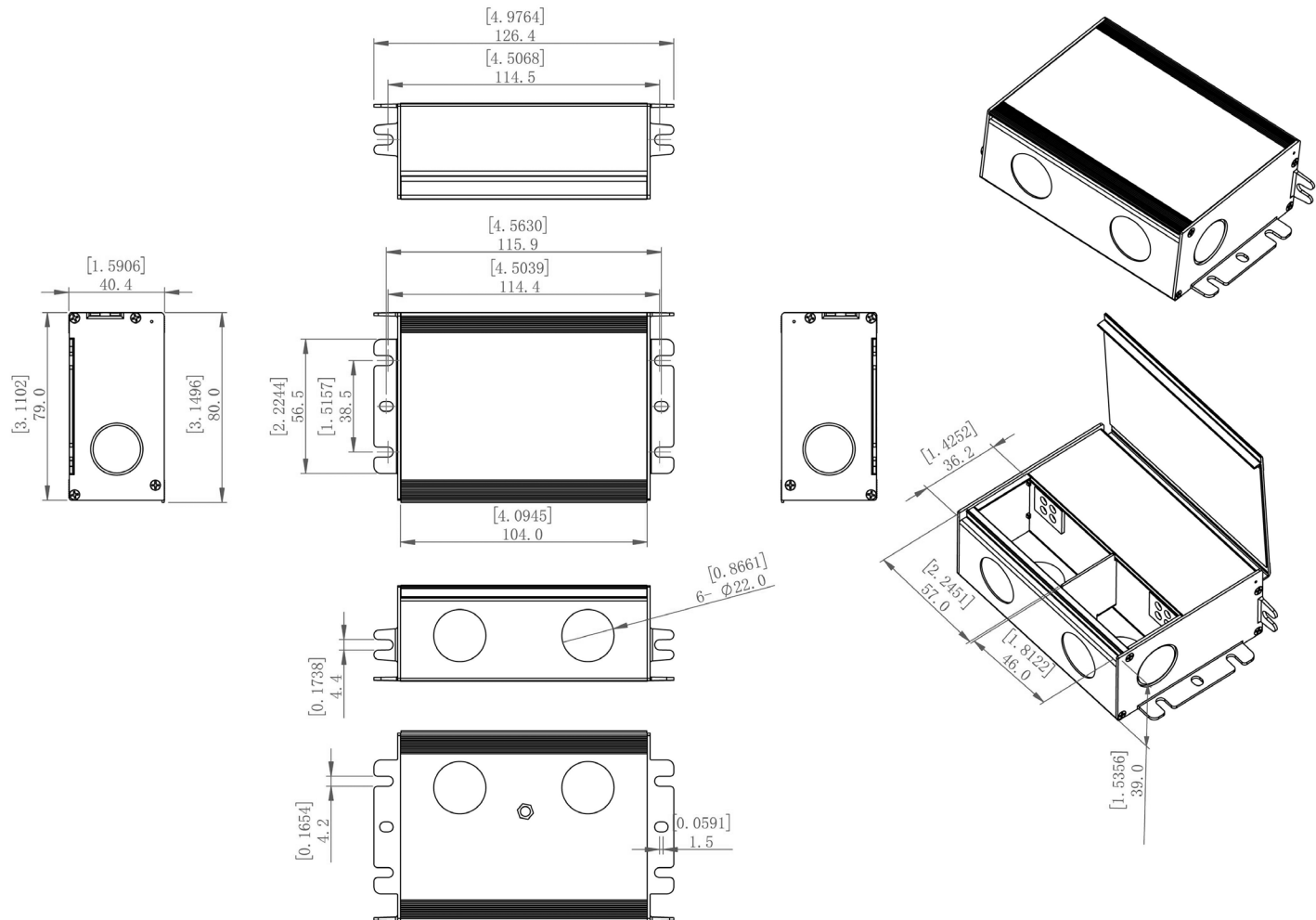




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DIMENSION



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SPECIFICATION CHART

Certificate		UL / FCC / ICES-005 / Class P / Class 2 / TYPE HL / SELV / ROHS / REACH	
Output	DC Voltage	12V	24V
	Voltage Tolerance	±1V	±1.5V
	Rated current	5.0A	2.5A
	Rated power	60W	
Input	Voltage Range	120VAC	
	Frequency Range	50 / 60Hz	
	Power Factor(typ.)	>0.95	
	Total Harmonic Distortion	THD< 20%(@100% load)	
	Efficiency(Typ.)	88%@120VAC	
	AC Current(Typ.)	0.7A	
	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 TEMP.	-40~+60°C (see below derating curve)	
	Working humidity	20 ~ 95% RH non-condensing	
	Storage temp., Humidity	-40 ~ +90, 10 ~ 95% RH	
	Temp .coefficient	±0.03%/°C (0~50°C)	
	Vibration	10~500Hz, 5G 10min./1 cycle,period for 60min. each along X,Y,Z axes	
Safety & EMC	Safety standards	UL8750; 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	
Others	Weight	0.35KG	
	Dimension	See Mechanical Specification	
	Packing	36*24*19 cm (20PCS/CTN)	

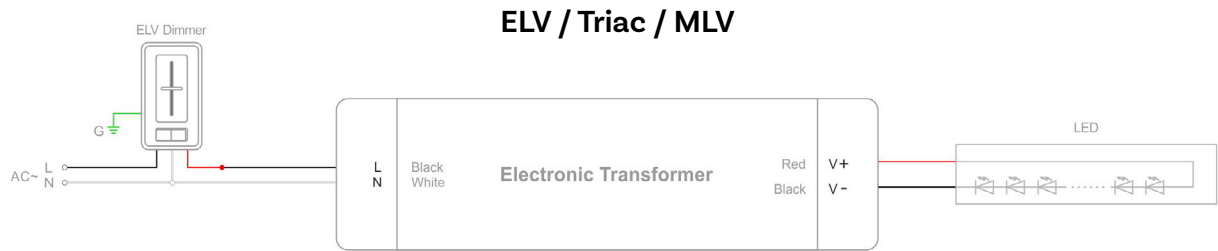


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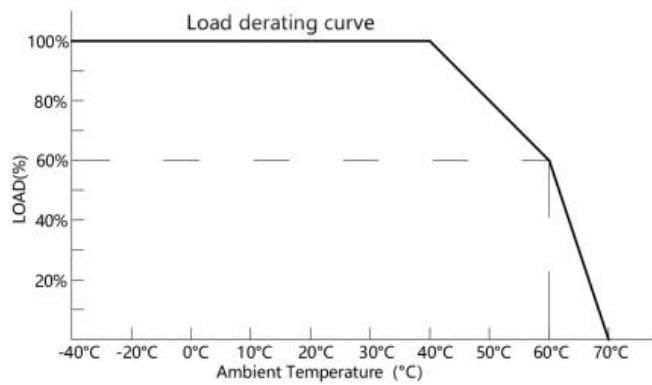
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DIMMING AND CONNECTING DIAGRAM



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.