SPECIFICATIONS

Features

-Constant Current Output

-TRIAC/ELV Dimming (120V input only)

-Class 2 Compliance

- Damp Location

- 5 Year Warranty

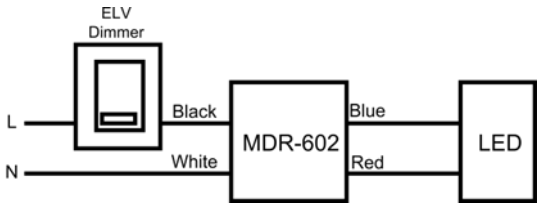
- Restart at lowest dimming setting

- Universal Input (120-277V)

Wiring Diagram

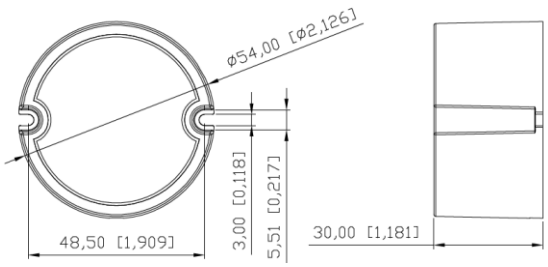
120-277VAC

(Dim on 120V)



Mechanical and Thermal

Dimensions	Φ=2.126,H=1.181"
Weight	60g
Lead Wire Length	6.7”



* Dimension in Metrics (Inch)

Protection

-Auto-reset electronic short circuit

-Overload protection

-Class 2

-Inherent Thermal Protection

Environmental Specifications

-Operating Temperature	-20˚ to 60˚C
-Storage Temperature	-20˚ to 70˚C
-MTBF	>100,000 hrs

-Lead Free SMT process

Note-

1. UL file: E340871

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1. Input – specification

	Units	Minimum	Typical	Maximum	Notes
Input Voltage Range(Vin)	Vac	108	120-277	304	
Input Frequency Range	Hz	50	60	63	
Input Power	W		16		
Power Factor(PF)		0.9	>0.9		Nominal LED voltage
Input Current	A	-	-	0.11A@120VAC 0.05A@277VAC	
Inrush Current	A			4 A peak	According to IEC 60555
Total Harmonics Distortion (THD)				< 20%	At nominal input voltage and nominal LED voltage
Efficiency		-	> 80%	-	Efficiency is measured after driver has thermally stabilized + full load
Isolation	Meet UL1310/UL8750 for class 2 isolation power supply				

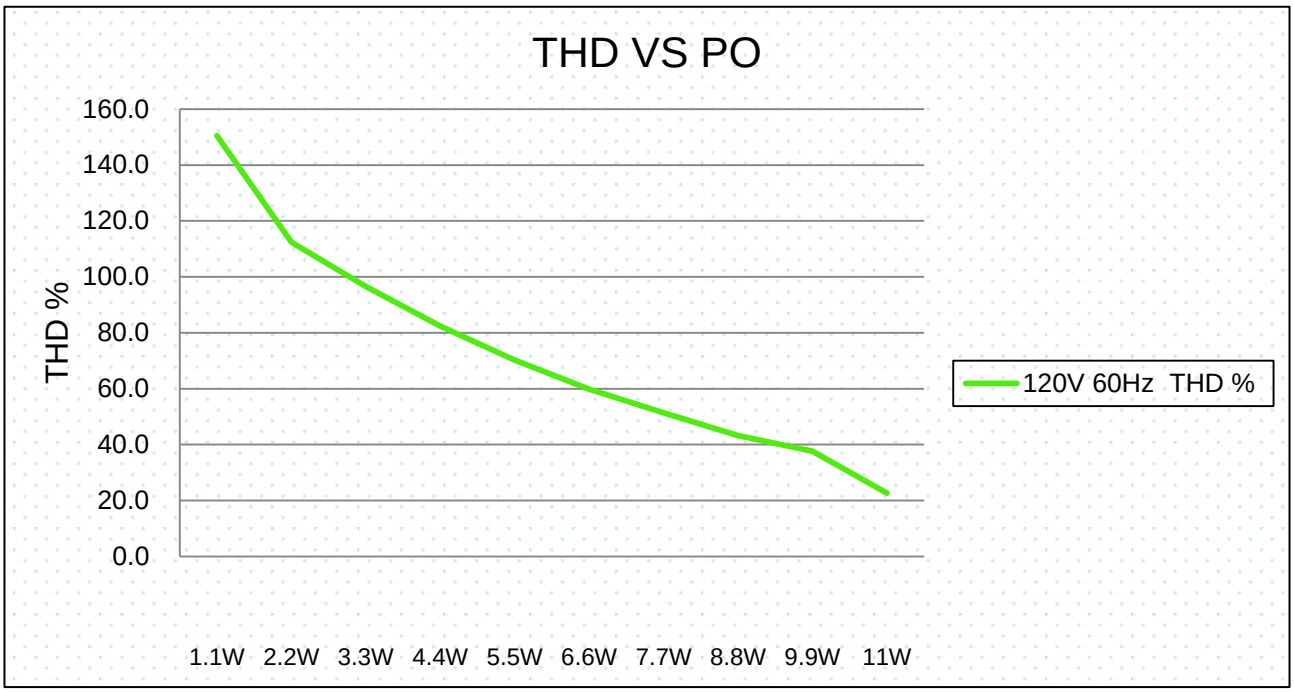
2. Output - specification

	Units	Minimum	Typical	Maximum	Notes
Output Voltage(Volt)	Vdc	35		43	
Output Current(lout)	mA		270		Adjustable current setting; please refer to the current setting table
Output Current Tolerance	%		±3		
Output Ripple Current	< 20% peak-to-peak of 270mA				≦20% pk-to-pk of the rated output current for all models with Vout max≧32V
					≦50% pk-to-pk of the rated output current for all models with Vout max≦30V
					At nominal LED voltage and nominal input voltage without dimming
Dimming Range	%	6%		100%	Please refer to Dimmer compatibility list
Star-up Time	ms		100		With nominal LED voltage and without dimmer attached
			150		With nominal LED voltage, with an recommended dimmer attached(see dimmer compatibility list) and at the full dimming conduction angle
Isolation	Meet UL1310/UL8750 for class 2 isolation power supply				
Operation Case Temperation	˚C	-30		80C	

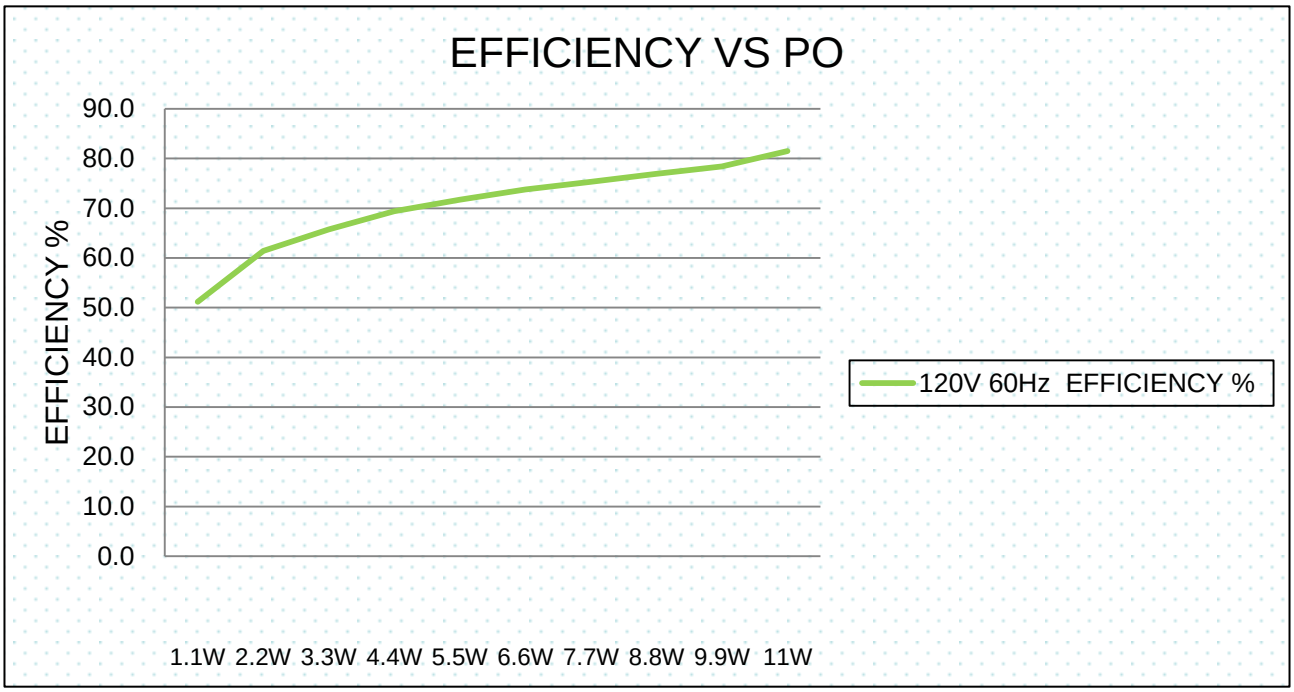
3. EMC / Protection / Compliance

Conducted and Radiated EMI		FCC CFR Title 47 Part 15 Class B and EN55022(CISPR 22) Class B compliant	
Immunity Compliance	ESD (Electrostatic Discharge)	IEC61000-4-2	6 kV contact discharge, 8 kV air discharge, level 3
	Electrical Fast Transient	IEC61000-4-4	±2 kV on AC power port for 1 minute, ±1kV on signal/control lines
	Surge	IEC61000-4-5	±1kV line to line/±2kV line to earth on AC power port, ±0.5kV for outdoor cables
Transient Protection	Ring Wave		ANSI/IEEE c62.41-1-2002 & c62.41-2-2002 category A, 2.5kV ring wave

THD of the driver VS Power Output (W)



Efficiency of the driver VS Power Output (W)



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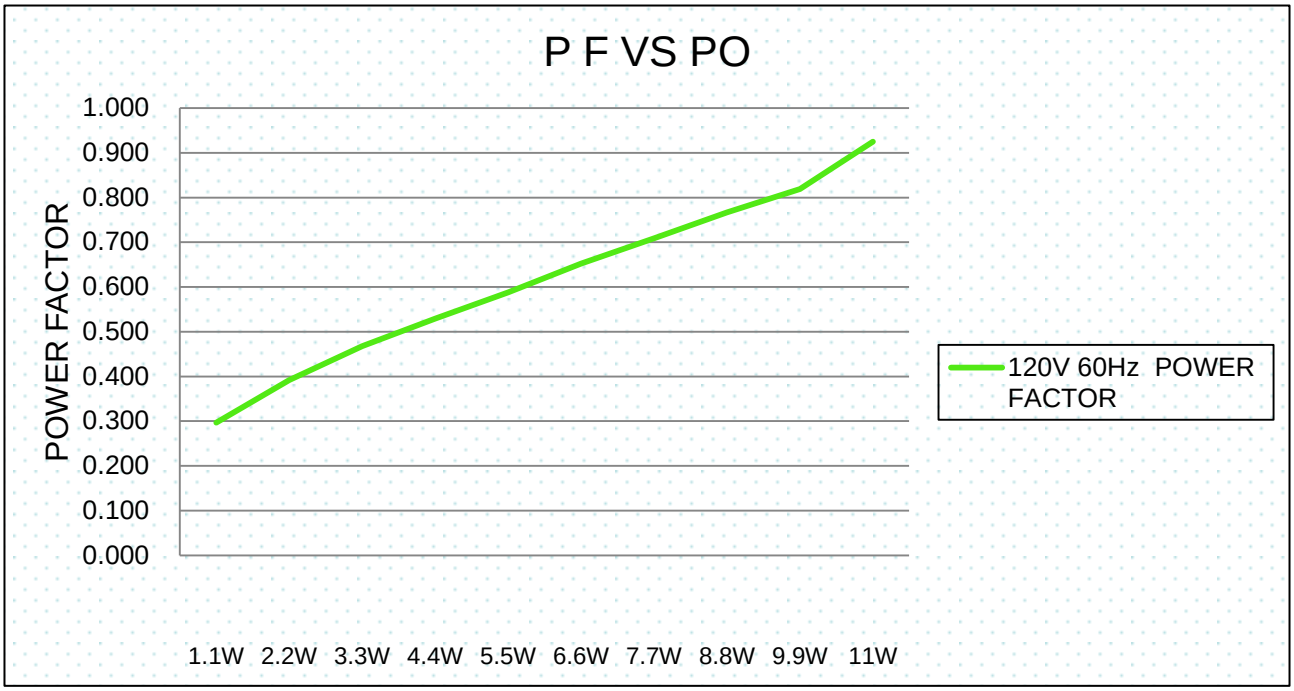
Electrical Specifications

Power Factor VS Power Output (W):



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