



UL CLASS 2



Product Information

Part Number	PS0700-75W-1-A-D
Rated Input Voltage	100 - 277V AC
Maximum Input Voltage	90 - 305V AC
Rated Input Frequency	50 / 60 Hz
AC Input Current	Max 0.77A @ 120V AC Max 0.34A @ 277V AC
Rated DC Output Current	1.4A DC (0.7A x 2)
DC Output Current Tolerance	+/- 5%
Number of DC Output Channels	1 (including 2 DC Current Outputs)
DC Output Power	Max. 75W DC, Min. 17.5W DC
DC Output Voltage Range	12.5V – 54V DC
DC Output Classification	UL Class 2
Power Efficiency ¹⁾	Typ. 88% @ 120V AC Typ. 90% @ 220V AC Typ. 90% @ 277V AC
Typical Power Factor ¹⁾	≥ 0.90 @ 100-277V AC
Typical THD	≤ 20% @ 120-277V AC ²⁾
Inrush Current	Max. 61A @ 220V AC, 77°F (25°C) cold start, 1 ms
Protection	short circuit, over temperature
Surge Immunity	AC line to line 4 kV AC line to earth 6 kV
IP Rating	IP67
Operating Ambient Temperature	-40°F to +140°F (-40°C to +60°C)
Maximum Case Temperature Tc	+194°F (+90°C)
Storage Temperature	-40°F to +185°F (-40°C to +85°C)
Lifetime	50,000 hours @ Tc ≤ 167°F (75°C)
Dimensions (L x W x H)	8.02" x 2.52" x 1.26" 204 mm x 64 mm x 32 mm
Net Weight	1.874 lb 0.85 kg

Notes:

- 1) measured at full load, 77°F (25°C) ambient temperature
- 2) Measured at ≥ 75% load

Features and Benefits

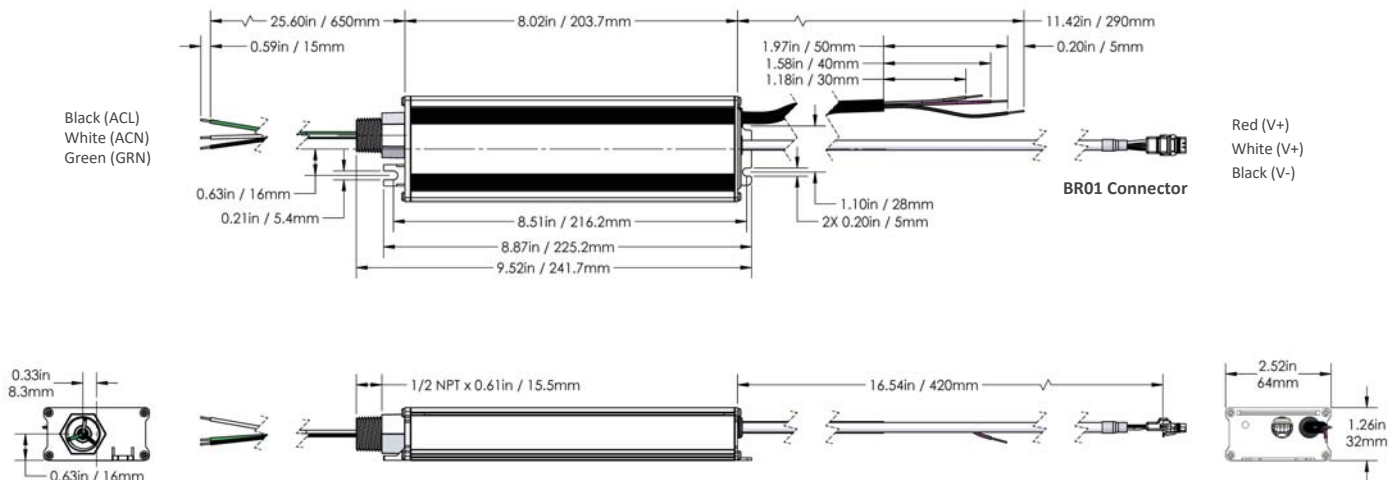
- UL Class 2 output to power 5 to 16 BoxRayz LED Modules
- Threaded primary 1/2" NPT connector for easy AC electrical wiring
Fast installation with IP67 connector directly plugging into BoxRayz LED modules
- Universal AC input 100-277V 50/60Hz
- Built-in dimming control circuit 0-10V
- IP67 rated - UL Certified for use in dry, damp and wet locations
- 5-year limited warranty



Standard Compliance

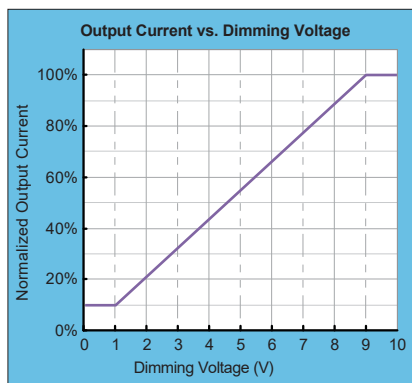
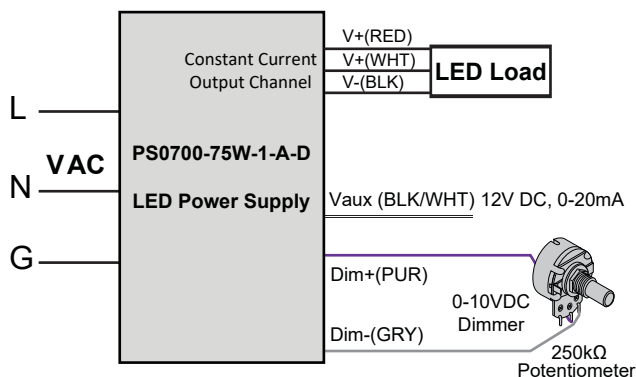
Safety		Safety Standards	
UL / cUL		UL8750, UL1310 Class 2, UL1012	CSA-C22.2 No. 107.1, CSA C22.2 No. 223- M91 Class 2
Country	USA & Canada		
EMI Standards			
EN 55015		Conducted emission Test & Radiated emission Test	
EN 61000-3-2		Harmonic current emissions	
EN 61000-3-3		Voltage fluctuations & flicker	
EN 61000-4-2		Electrostatic Discharge (ESD): 8 kV air discharge, 4 kV contact discharge	
EN 61000-4-3		Radio-Frequency Electromagnetic Field Susceptibility Test-RS	
EN 61000-4-4		Electrical Fast Transient / Burst-EFT	
EN 61000-4-5		Surge Immunity Test: AC Power Line: line to line 4 kV, line to earth 6 kV	
EN 61000-4-6		Conducted Radio Frequency Disturbances Test-CS.	
EN 61000-4-8		Power Frequency Magnetic Field Test	
EN 61000-4-11		Voltage Dips	
EN 61547		Electromagnetic Immunity Requirements Applies To Lighting Equipment	

Dimensions



Note: UL certification requires the power supply spacing to other power supplies, transformers, and ballasts shall be at least 1 inch (25.4 mm) from end to end and 4 inch (101.6 mm) from side to side.

Dimming Control



WARNING
Connecting to AC line voltage BEFORE connecting the LED modules to the power supply will **DAMAGE** the system and **VOID** the WARRANTY.

Notes:

1. For the power supply to operate properly, the load voltage must be maintained above the rated minimum voltage.
2. The dimmer may be operated using either a potentiometer or an input signal of 0...10V DC.

Power Supply Loading

Power Supply Type	Output Voltage	Output Current	Total # of Modules *
PS0700-75W-1-A-D	12.5 – 54V	1.4 A (0.70 A / LED)	5 to 16 Modules

* Applied to BoxRayz 400, BoxRayz EDGE, and BoxRayz 2.0 LED Modules.

Shipping Information

Part number	Packaging		Carton Weight	Box Dimensions			Carton Dimensions		
				L	W	H	L	W	H
PS0700-75W-1-A-D	1 unit	16 units	36.86 lb	11.42"	3.70"	2.17"	19.69"	12.60"	9.65"
	per Box	per Carton	16.72 kg	290 mm	94 mm	55 mm	500 mm	320 mm	245mm



CAUTIONS

1. The maximum case temperature Tc shall not exceed 194°F (90°C) when used in end product.
2. These products are intended to be connected to a max. 20 A branch circuit.
3. These products are intended for use in dry, damp and wet locations.