



**36W LED Driver with 3 Channel Constant Current Outputs
PDA038W LED Power Supply with 0-10V Dimming**



Features

- 3 Channel Output
- OVP, OTP and Short-Circuit Protection
- Brownout Protection
- Class 2 Output per UL1310
- IP65 Rated
- AC input: 108-304VAC
- ≥ 0.9 Power Factor Correction & THD <20%

Applications

- Troffers

Safety Approvals

- cUL/UL8750 / UL60950
- Class 2 Output per UL1310

Mechanical Characteristics

- Length: 242mm (9.53in)
- Width: 43.5mm (1.71in)
- Height: 30.5mm (1.2in)
- Weight: 650g

Output Specifications

Channel 1~3

Model	DC Output Voltage			Output Current	Output Power
	Min.	Typ.	Max.		
PDA038W-T350G	27V	-	36V	350mA	19W

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INPUT:

AC Input Voltage Range
108~304VAC

AC Input Voltage Rating
120~277VAC

AC Input Frequency
47~63 Hz

Maximum Input Current
≤ 0.5A

Leakage Current
0.75mA maximum

Power Factor
≥ 0.9

THD
< 20%

OUTPUT:

Output Current Ripple
≤ 60%

Efficiency
83% at 120VAC
84% at 277VAC
Typical Efficiency: 86%

Environmental:

Temperature

Operation Tc -20 to 70°C
Non-operation -40 to +85°C
Operating Humidity 5% to 95%

EMC

FCC Part 15B, Class A

Immunity

IEC61000-4-5

Dielectric Withstand (Hi-pot) Test

Primary to secondary: 3600VAC for 3 seconds, 10mA

Insulation Resistance

Primary to secondary: >5M Ohm 500VDC, 1 Minute

Short-Circuit Protection

Latch requires power cycle to restart

Output Over-voltage Protection

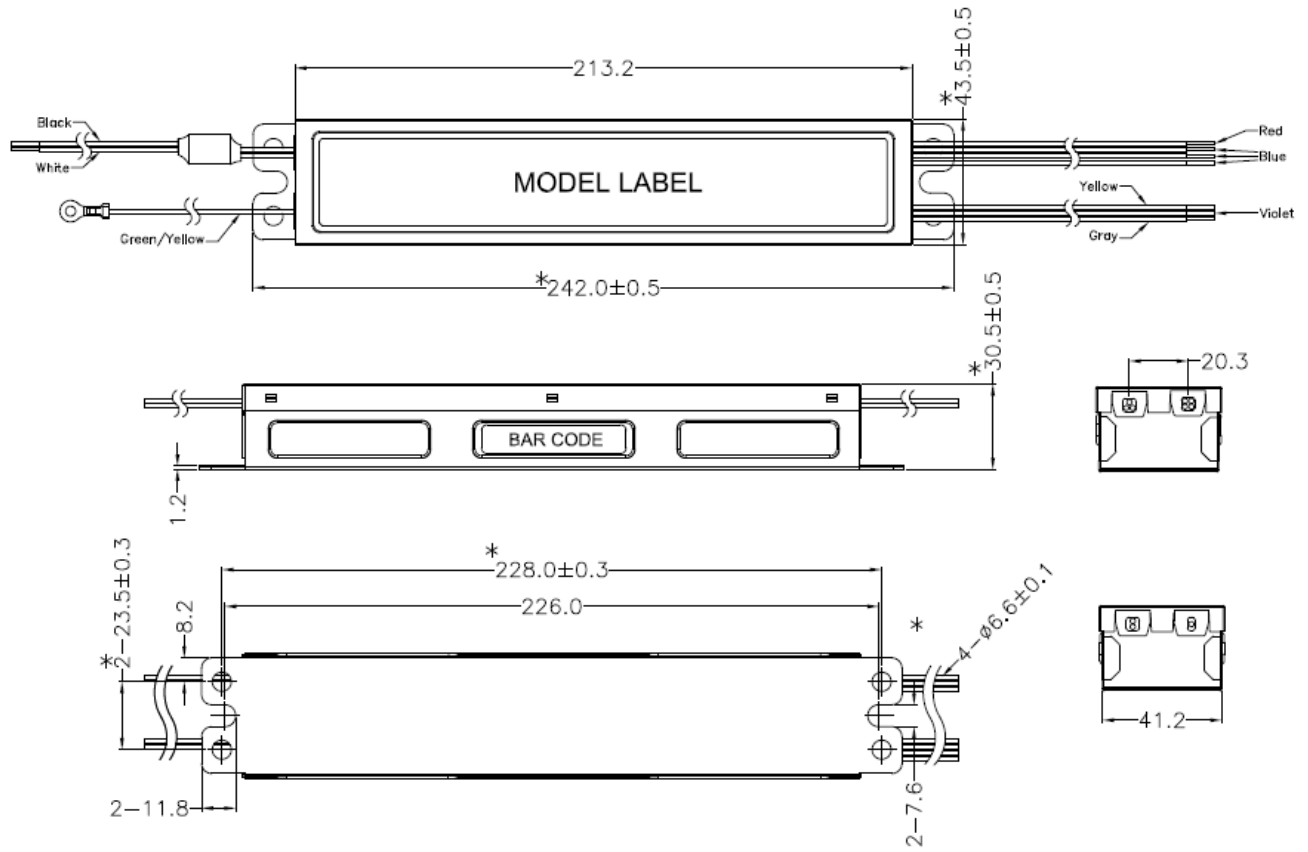
Max Voltage Limit 42V

Input / Output Connections

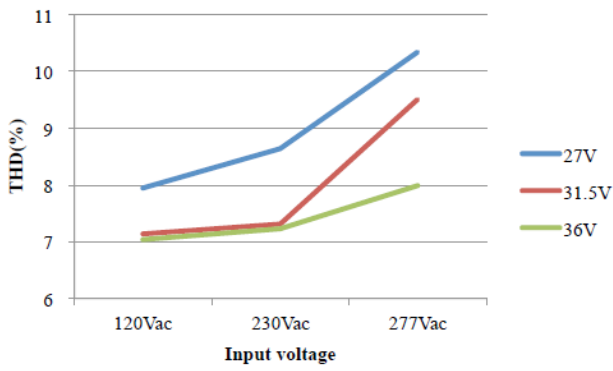
Position	Terminal Color	Specification	Length
Input	Black	AWG18 Solid Wire	360mm
	White	AWG18 Solid Wire	360mm
	Green/Yellow	AWG18 Solid Wire	220mm
Output	Red(+)	AWG18 Solid Wire	200mm
	Blue(-)	AWG18 Solid Wire	200mm
	Blue(-)	AWG18 Solid Wire	200mm
	Blue(-)	AWG18 Solid Wire	200mm
Dim+	Violet(+)	AWG18 Solid Wire	200mm
Dim-	Grey(-)	AWG18 Solid Wire	200mm
Auxiliary	Yellow	AWG18 Solid Wire	200mm

Warranty

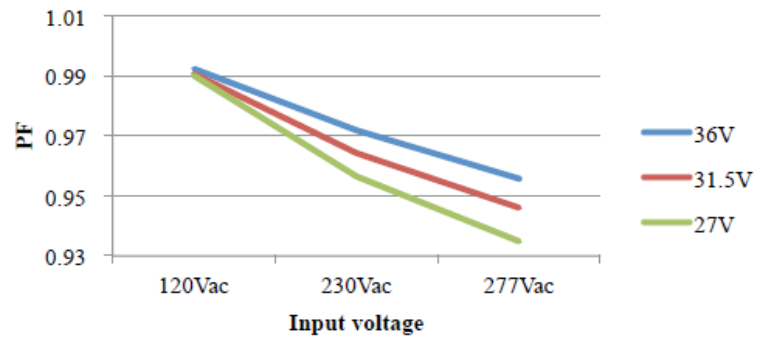
5 Years



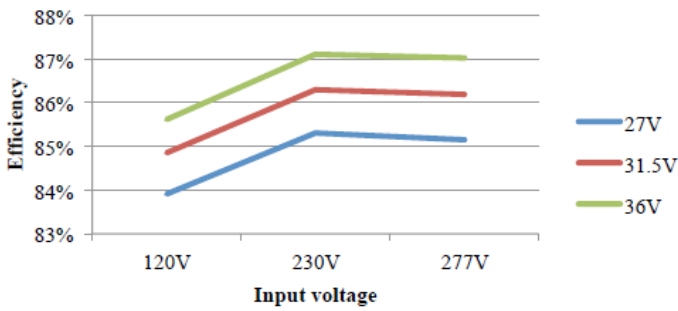
THD vs. Input voltage



PF vs. Input voltage



Efficiency vs. Input voltage



Dimming curve

