



**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
- $\geq 0.9$  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**

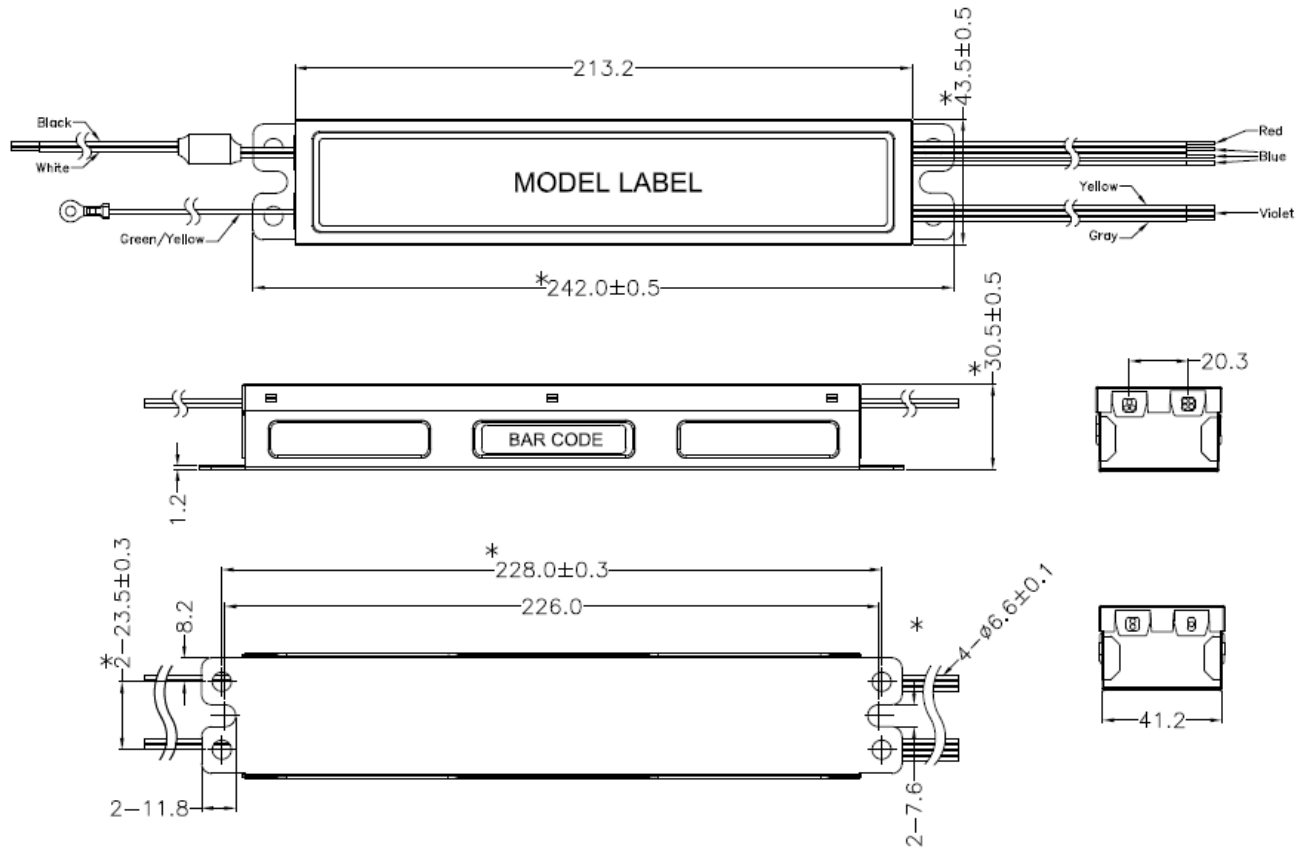
Max Voltage Limit 42V

**Input / Output Connections**

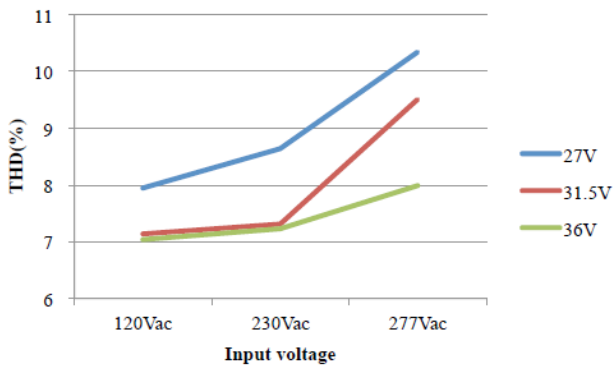
| Position  | Terminal Color | Specification    | Length |
|-----------|----------------|------------------|--------|
| Input     | Black          | AWG18 Solid Wire | 360mm  |
|           | White          | AWG18 Solid Wire | 360mm  |
|           | Green/Yellow   | AWG18 Solid Wire | 220mm  |
| Output    | 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**

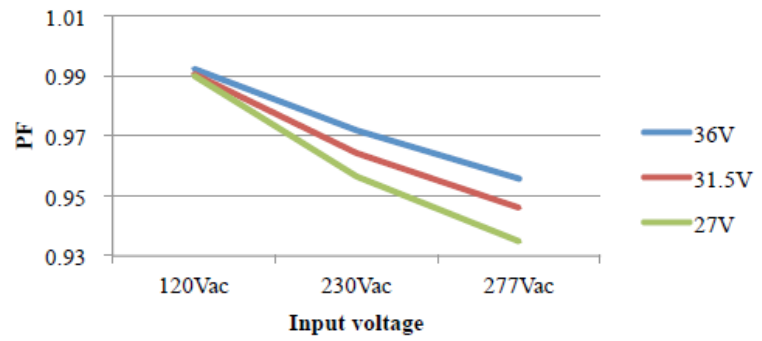
5 Years



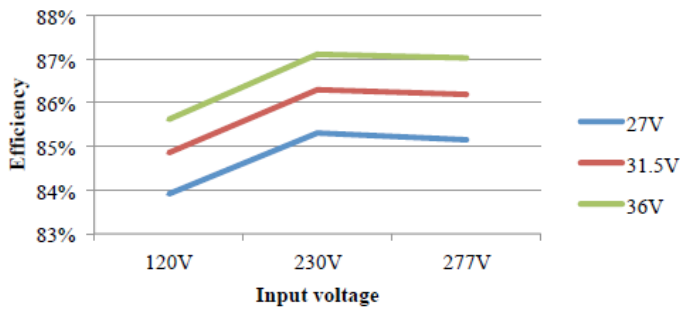
THD vs. Input voltage



PF vs. Input voltage



Efficiency vs. Input voltage



Dimming curve

