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75W LED Driver with 3 Channel Constant Current Outputs PDA075W LED Power Supply

IP66

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#### Features

- Class 2 Output per UL1310
- OVP and Short-Circuit Protection
- 3 Channel Output

## Applications

• Troffers

#### **Safety Approvals**

• cUL/UL/ UL8750

• Class 2 Output per UL1310

**Brownout Protection** 

THD <20% &  $\geq$  0.9 Power Factor

#### **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	Output
		Min.	Тур.	Max.	Current	Power
	PDA075B-T700G	28V	31V	33V	700mA	25W

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## PDA075B-T700G Characteristics

INPUT: AC Input Voltage 108~304VAC

**Nominal AC Input Voltage** 120~277VAC

Maximum Input Current 0.82A (RMS) at 108Vac, 60Hz

**Leakage Current** 0.75mA maximum at 277VAC

AC Inrush Current <100A at 277VAC, 60 Hz

**Power Factor**  $\geq 0.9$ 

# THD

< 20%

Ripple (Ch1~Ch3) 240mA p-p

## Turn on/off Time

3 seconds maximum at nominal AC input 0.5 seconds maximum at nominal AC input

#### Efficiency

81% at 120VAC 83% at 277VAC Typical Efficiency 85%

#### **Environmental:**

Temperature	
Operating	0 to Tc +70°C
Non-operation	-40 to +85°C
Operating Humidity	10% to 95%

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**EMC** FCC 47 CFR Part 15, Class A

Immunity IEC61000-4-2

IEC61000-4-2 IEC61000-4-5 IEC61000-4-11

**Dielectric Withstand (Hi-pot) Test** Primary to secondary: 3000VAC for 1 minute, 10mA

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

Short-Circuit Protection Auto-Recovery

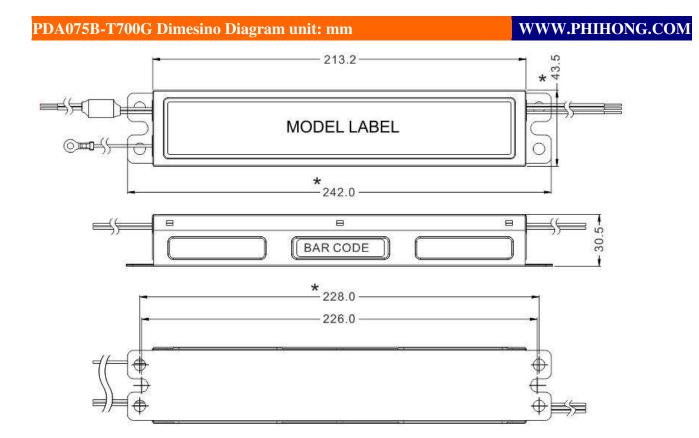
**Open Circuit and Output Over-voltage Protection** Max Voltage Limit 42V

## Input / Output Connections

Position	Terminal Color	Specification	Length
Input	Black	AWG16 Solid Wire	660mm
	White	AWG16 Solid Wire	660mm
Output	Red(+)	AWG18 Solid Wire	250mm
Output	Blue(-)	AWG18 Solid Wire	250mm

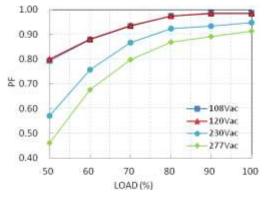
#### Warranty

5 Years

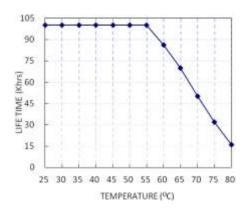


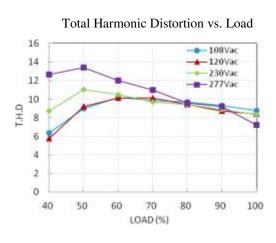
# PDA075B-T700G Typical Characteristics



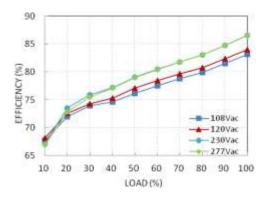






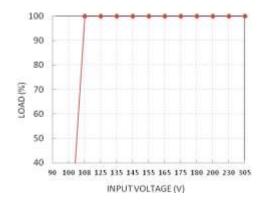


Efficiency vs. Load

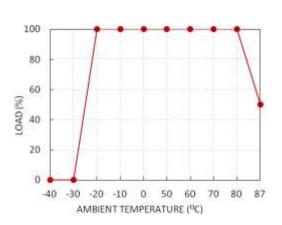


## **Temperature Rating**

Static Characteristic: Load vs. Input Voltage



Derating Curve: Load vs Ta



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