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# 40W Constant Voltage LED Driver PDA040B Waterproof LED Driver Non-Dimming





#### **Features**

- Class 2 per UL1310
- OVP, OCP, Over-Load and Short-Circuit Protection
- >0.9 Power Factor Correction
- 5 Year Warranty

- IP67 Rating waterproof
- THD <20%
- UL 8750 Compliant
- Brownout/Brownout Recovery

# **Applications**

- Down lights
- Area Lights

Architectural lighting

### **Safety Approvals**

cUL/UL

### **Mechanical Characteristics**

Length: 162.5mm (6.39in) Width: 43mm (1.69in)

Height: 32mm (1.26in) Weight: 386g (13.62oz)

# **Output Specifications**

Model	Output Current Range			DC Output	Output
	Min.	Typ.	Max.	Voltage	Power
PDA040B-24VB	0A	-	1.67A	24V	40W
PDA040B-48VB	0A	-	0.83A	48V	40W

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### PDA040B Characteristics

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# INPUT:

**AC Input Voltage Rating** 

120VAC to 277VAC

**AC Input Frequency** 

47~63Hz

**Maximum Input Current** 

 $\leq 0.8A$ 

Leakage Current

0.5mA maximum

**Power Factor** 

 $\geq 0.9$ 

**THD** 

Less than 20%

**OUTPUT:** 

**Output Voltage Ripple** 

 $\leq 8\% \, (p-p)$ 

**Efficiency** 

87% at 277VAC

**Environmental:** 

**Temperature** 

 $\begin{array}{lll} \text{Operation case*} & -40 \text{ to } +70^{\circ}\text{C} \\ \text{Non-operation} & -40 \text{ to } +82^{\circ}\text{C} \\ \text{Operating Humidity} & 20 \text{ to } 95\% \end{array}$ 

# Dimension Diagram unit: mm

#### **EMC**

FCC 47 Part 18 Class B

#### **Immunity**

IEC61000-4-2

IEC61000-4-4

IEC61000-4-5

IEC61000-4-11

### **Dielectric Withstand (Hi-pot) Test**

Primary to secondary: 3000VAC for 1 minute, 10mA

#### **Insulation Resistance**

Primary to secondary: >10M Ohm 500VDC, 1 Minute

#### **FEATURES:**

#### **Short-Circuit Protection**

The PSU will withstand a short circuit across the outputs without damage

### **Input Over Current Protection**

The input power line will be fused with a 2A/300V fuse

### **Output Over-voltage Protection**

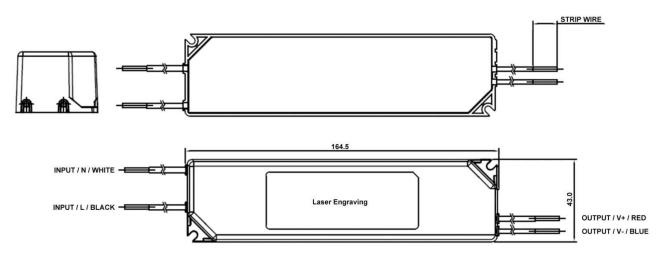
Auto shutdown

#### **Input / Output Connections**

Position	Terminal Color	Specification
Input	Black	AWG16 Solid Wire
	White	AWG16 Solid Wire
Output	Red	AWG18 Solid Wire
	Blue	AWG18 Solid Wire

#### Warranty

5 Years



<sup>\*</sup>Output derates from 50°C to 70°C