



## 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 Voltage	Output Power
	Min.	Typ.	Max.		
PDA040B-24VB	0A	-	1.67A	24V	40W
PDA040B-48VB	0A	-	0.83A	48V	40W

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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**

Operation case\* -40 to +70°C

Non-operation -40 to +82°C

Operating Humidity 20 to 95%

\*Output derates from 50°C to 70°C

**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**

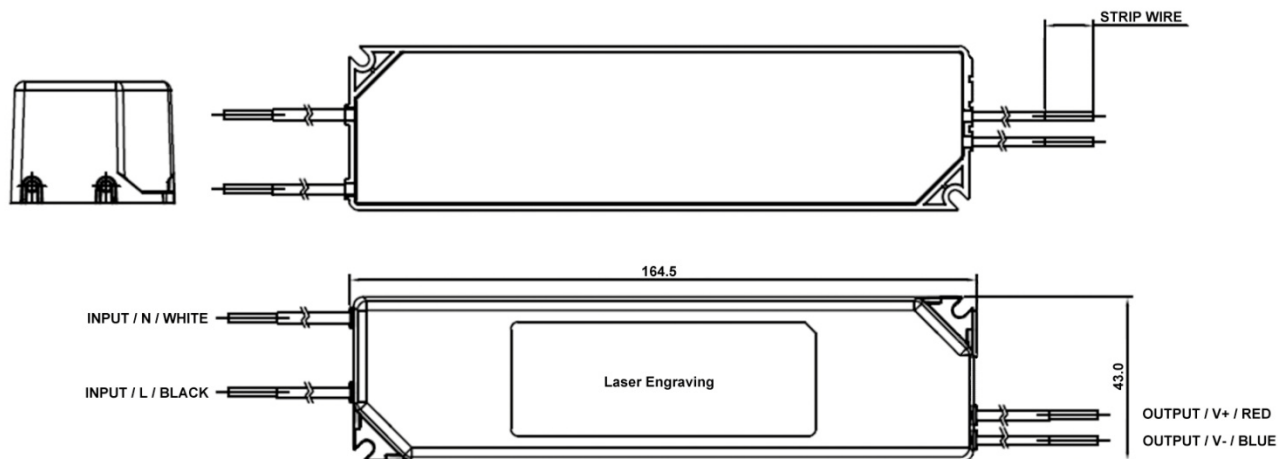
Auto shutdown

**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

**Dimension Diagram unit: mm**

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[PDA040B-24VB-R](#) [PDA040B-48VB-R](#)