



## 25W Constant Voltage LED Driver PDA025B LED Driver Non-Dimming



### Features

- OVP, OTP, OCP, Short/Open Circuit Protection & Brownout Protection
- SELV Compliant
- Class 2 Output per UL1310
- IP67
- Low Profile Design
- AC Input Voltage 90 to 305VAC
- $\geq 0.9$  Power Factor Correction & THD  $< 20\%$

### Applications

- Down Lights
- Area Lights
- Architectural lighting

### Safety Approvals

- cUL/UL8750

### Mechanical Characteristics

- Length: 80mm (3.14in)
- Width: 78mm (3.07in)
- Height: 25.4mm (1in)
- Weight: 220g ( 7.76oz)

### Output Specifications

Model	DC Output Voltage			Output Current	Output Power
	Min.	Typ.	Max.		
PDA025B-24VB	22.8V	24V	25.2V	1040mA	25W
PDA025B-48VB	45.6V	48V	50.4V	520mA	25W

**INPUT:**

**AC Input Voltage Rating**  
100~277VAC

**AC Input Frequency**  
47~63 Hz

**Maximum Input Current**  
≤ 0.4A

**Leakage Current**  
0.5mA maximum @ 277VAC/60Hz AC input

**Power Factor**  
≥ 0.9

**THD**  
<20%

**OUTPUT:**  
**Output Current Ripple**  
≤10%

**Efficiency**  
84%

**Environmental:**  
**Temperature**

Operation -40 to Tc +90°C  
Non-operation -40 to +85°C  
Operating Humidity 5 to 95%

**EMC**

FCC Part 15 Class B

**Immunity**

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

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

Primary to secondary: 4242VAC for 1 minute

**Insulation Resistance**

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

**Short-Circuit Protection**

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

**Output Over-voltage Protection**

The driver will latch off or auto restart

**Open Circuit Protection**

The Driver will withstand an open circuit across the outputs without damage

**Input / Output Connections**

Position	Terminal Color	Specification	Length
Input	Black	AWG18 Stranded Wire	160mm
	White	AWG18 Stranded Wire	160mm
Output	Red	AWG18 Stranded Wire	160mm
	Black	AWG18 Stranded Wire	160mm

**Warranty**

5 Years



