



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
- ≥ 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



