



## 40W Constant Current LED Driver PDA041B 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: 95mm (3.74in)
- Width: 71mm (2.79in)
- Height: 32mm (1.26in)
- Weight: N/A

### Output Specifications

Model	DC Output Voltage			Output Current	Output Power
	Min.	Typ.	Max.		
PDA041B-700B	39V	-	54V	700mA	38W
PDA041B-1A0B	28V	-	40V	1050mA	40W
PDA041B-1A4B	18V	-	26V	1400mA	37W

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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 Current Ripple**

&lt;40%

**Efficiency**

87% at 277VAC

**Environmental:****Temperature**

Operation case -40 to +82°C

Non-operation -40 to +82°C

Operating Humidity 20 to 95%

**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: &gt;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
	Black	AWG18 Solid Wire

**Warranty**

5 Years

**Dimension Diagram unit: mm**