



**35W LED Driver with 1000mA Constant Current  
PDA035A LED Power Supply for Residential Lighting**



**Features**

- Constant Current
- OVP, OCP, Short/Open Circuit Protection
- IP66 Rating
- UL8750 Compliant
- SELV Compliant
- Brownout/Brownout Recovery
- Low Profile Design

**Applications**

- Indoor Lighting
- Architectural Lighting

**Safety Approvals**

- cUL/UL

**Mechanical Characteristics**

- Length: 80mm (3.15in)
- Width: 78mm (3.07in)
- Height: 25.4mm (1.00in)
- Weight: 215g (7.58oz)

**Output Specifications**

Model	Output Current	DC Output Voltage Range			Max Power
		Min.	Typ.	Max.	
PDA035A-1A0B-R	1000mA	26V	-	35V	35W

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**INPUT:****AC Input Voltage**

108 to 132VAC

**Nominal AC Input Voltage**

120VAC

**Leakage Current**

0.5mA maximum at 110VAC

**Maximum Input Current**

500mA (RMS) at 108VAC

**Inrush Current**

&lt;30A at 132VAC, 60Hz

**OUTPUT:****Output Power**

30W

**Efficiency**

82% minimum at full load, nominal AC input

**Power Factor**

≥0.9 at full load, nominal AC input

**Output Current Ripple**

&lt;800mA (p-p) at nominal AC input

**Turn-on/off Delay Time**

0.5ms maximum at nominal AC power on

**ENVIRONMENTAL:**

Operating Temperature -40 to +40°C

Storage Temperature -40 to +80°C

Operating Humidity 10 to 95%

Storage Humidity 05 to 95%

**Warranty**

3 Years

**Ingression Protection**

IP66

**EMC**

FCC Part 15 Class B

**Immunity**

IEC61000-4-2

IEC61000-4-3

IEC61000-4-4

IEC61000-4-5

IEC61000-4-8

IEC61000-4-11

**Isolation Test (HI-POT)**

Primary to secondary: 2000VAC for 1 minute, 10mA

**Insulation Resistance**

Primary to secondary: &gt;5M OHM 500VDC, 1 minute

**FEATURES:****Input Over Current Protection**

The input power line will be fused with a 1A fuse

**Short Circuit Protection**

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

**Output Over Voltage Protection**

During no load condition, the over voltage protection trigger level is &lt;45V.

**Lifetime**

10K Hours minimum

**Input / Output Wires (Solid or Stranded)**

Position	Terminal Color	Specification
Line	Black	AWG18
Neutral	White	AWG18
Vout+	Red	AWG18
Vout-	Black	AWG18

