



**10W LED Driver with 700mA Constant Current  
PDA010B LED Power Supply for Indoor Lighting**



**Features**

- Constant Current
- OVP, OCP, Short/Open Circuit Protection
- IP20 Rating
- UL8750 Compliant
- SELV Compliant
- Brownout/Brownout Recovery
- Low Profile Design

**Applications**

- Indoor Lighting
- Architectural Lighting

**Safety Approvals**

- cUL/UL
- PSE

**Mechanical Characteristics**

- Length: 106mm (4.17in)
- Width: 40mm (1.57in)
- Height: 21mm (0.83in)
- Weight: 85g (3oz)

**Output Specifications**

Model	DC Output Voltage Range			Output Current Range			Max Power
	Min.	Typ.	Max.	Min.	Typ.	Max.	
PDA010B-700C	7.5V	-	12V	650mA	700mA	750mA	9W

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

90 to 132VAC

**Nominal AC Input Voltage**

100 to 127VAC

**Leakage Current**

0.5mA maximum at 110VAC

**Maximum Input Current**

≤160mA at 100VAC

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

9W absolute maximum

**Efficiency**

70% minimum at full load, nominal AC input

**Power Factor**

≥0.95 at full load, nominal AC input

**Ripple**

&lt;1A

**Turn-on/off Delay Time**

0.5ms maximum at nominal AC power on

**ENVIRONMENTAL:**

Operating Temperature -20 to +50°C

Storage Temperature -40 to +85°C

Operating Humidity 10 to 95%

Storage Humidity 05 to 95%

**Warranty**

3 Years

**Ingression Protection**

IP20

**EMC**

EN55015, FCC 47 Part 15, EN55022 Class B

**Immunity**

IEC61000-4-2

IEC61000-4-5

IEC61000-3-2 Class C

IEC61000-3-3

**Isolation Test (HI-POT)**

Primary to secondary: 3750VAC 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 1.6A fuse

**Short Circuit Protection**

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

**Output Over Voltage Protection**

The output shall be protected (latched) from over voltage

**Open Circuit Protection**

Once the circuit is opened, the output voltage should be less than 14.4V at nominal AC input conditions.

**Lifetime**

20K Hours minimum

**Input / Output Connection**

2-pin terminal block

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

Position	Terminal Color	Specification
Line	Brown	AWG10~24
Neutral	Blue	AWG10~24
Vout+	Red	AWG10~24
Vout-	Black	AWG10~24

