



## 15W Constant Current LED Driver PDA015B Power Supply for Indoor Lighting



### Features

- UL8750 Compliant
- IP20 Rated
- Constant Current
- Brownout/Brownout Recovery
- SELV Compliant
- OVP, OCP, Short/Open Circuit Protection
- Power Factor Correction
- Wide Temperature Range

### Applications

- Indoor Lighting
- Architectural Lighting

### Safety Approvals

- cUL/UL
- PSE

### Mechanical Characteristics

- Length: 132mm (5.2in)
- Width: 40mm (1.6in)
- Height: 21mm (0.8in)
- Weight: 120g (4.2oz)

### Output Specifications

Model	DC Output Voltage Range			Output Current Range			Max Power
	Min.	Typ.	Max.	Min.	Typ.	Max.	
PDA015B-350C	17.5V	-	42V	300mA	350mA	400mA	16.8W

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**INPUT:**

**AC Input Voltage**  
90 to 132VAC

**Nominal AC Input Voltage**  
100 to 127VAC

**Leakage Current**  
0.5mA maximum

**Maximum Input Current**  
≤0.3A at 100VAC

**AC Inrush Current**  
≤20A at 120VAC, full load

**OUTPUT:**  
**Total Output Power**  
16.8W maximum

**Efficiency**  
82% minimum

**Power Factor**  
≥0.9 at full load, nominal AC input

**Ripple**  
<1A

**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

**Lifetime**  
20K hours minimum

**EMC**

EN55015, FCC 47 Part 18, EN55022 Class B

**Immunity**

IEC61000-4-2  
IEC61000-4-5  
IEC61000-3-2 Class C  
IEC61000-3-3

**Isolation Test**

Primary to secondary: 3230VAC for 1 minute, 10mA

**Insulation Resistance**

Primary to secondary: >5M OHM 500VDC, 1 minute

**FEATURES:**

**Input Current Protection**

The input power line is fused with a 1.6A fuse

**Short Circuit**

Driver will withstand short circuit across outputs without damage

**Output Overvoltage Protection**

Output is protected (latched) from over voltage

**Open Circuit Protection**

If circuit is open, output will not be damaged at nominal AC input conditions

**Input / Output Connection**

2-pin terminal block

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

Position	Terminal Color	Specification
Line	Brown	AWG16~18
Neutral	Blue	AWG16~18
Vout+	Red	AWG16~18
Vout-	Black	AWG16~18

**Ingression Protection**

IP20

**Dimension Diagram Unit:mm**

