



**60W Dimmable Constant Current LED Driver**  
**PDA060W Waterproof LED Driver with 0-10V Dimming**



**Features**

- IP67 Rating - waterproof
- OVP, OCP, Over-Load and Short-Circuit Protection
- >0.9 Power Factor Correction
- Brownout/Brownout Recovery
- Class 2 per UL1310 (except 700mA model)
- THD <20%
- UL 8750 Compliant
- 0-10V and Resistive Dimming
- 90 to 305VAC Input Voltage Range

**Applications**

- Down lights
- Area Lights
- Architectural lighting

**Safety Approvals (Pending)**

- cUL/UL

**Mechanical Characteristics**

- Length: 162.5mm (6.39in)
- Width: 43mm (1.69in)
- Height: 32mm (1.26in)
- Weight: N/A

**Output Specifications**

Model	DC Output Voltage			Output Current	Output Power
	Min.	Typ.	Max.		
PDA060W-700B	60V	-	86V	700mA	60W
PDA060W-1A0B	39V	-	56V	1070mA	60W
PDA060W-1A4B	30V	-	43V	1400mA	60W
PDA060W-1A6B	26V	-	38V	1600mA	60W
PDA060W-2A0B	21V	-	30V	2000mA	60W

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**INPUT:**

**AC Input Voltage Range**  
90VAC to 305VAC

**AC Input Voltage Rating**  
120VAC to 277VAC

**AC Input Frequency**  
47~63Hz

**Maximum Input Current**  
≤ 0.9A

**Leakage Current**  
250μA maximum

**Power Factor**  
≥ 0.9

**THD**  
Less than 20%

**OUTPUT:  
Efficiency**

Model	Typical Efficiency
PDA060W-700B	91%
PDA060W-1A0B	91%
PDA060W-1A4B	91%
PDA060W-1A6B	91%
PDA060W-2A0B	91%

**Dimming Function:**

Resistance or 0-10VDC dimming  
(See Characteristics below)  
Resistor must be placed between Dim+ and Dim- for operation.  
See following page for dimming table.

**Environmental:**

**Temperature**

Operation -40 to +50°C  
Non-operation -40 to +80°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: >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**

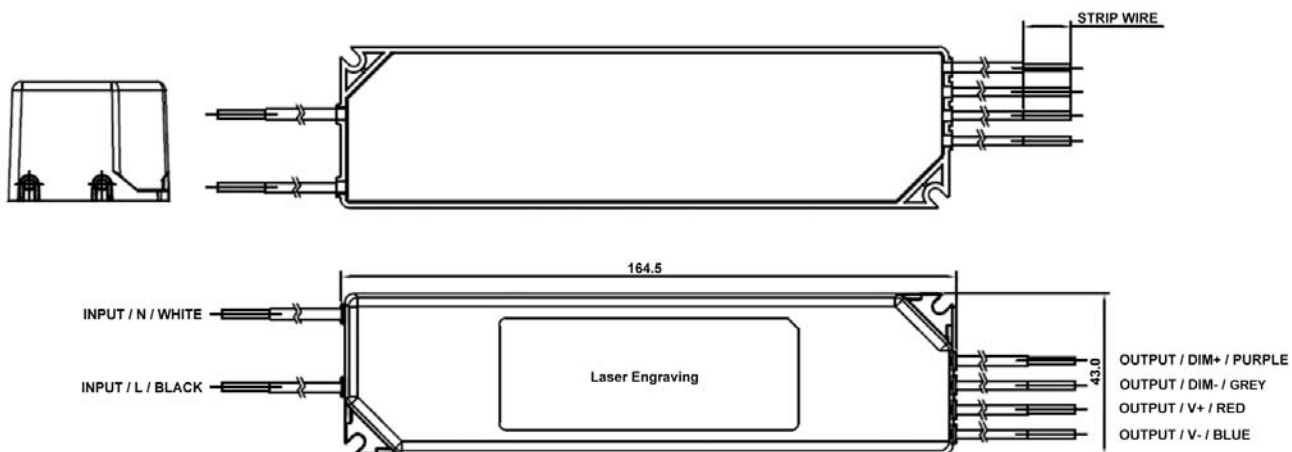
Auto shutdown

**Input / Output Connections**

Position	Terminal Color	Specification
Input	Black	AWG16 Solid Wire
	White	AWG16 Solid Wire
Output	Red	AWG18 Solid Wire
	Blue	AWG18 Solid Wire
Dim+	Purple	AWG20 Solid Wire
Dim-	Grey	AWG20 Solid Wire

**Warranty**

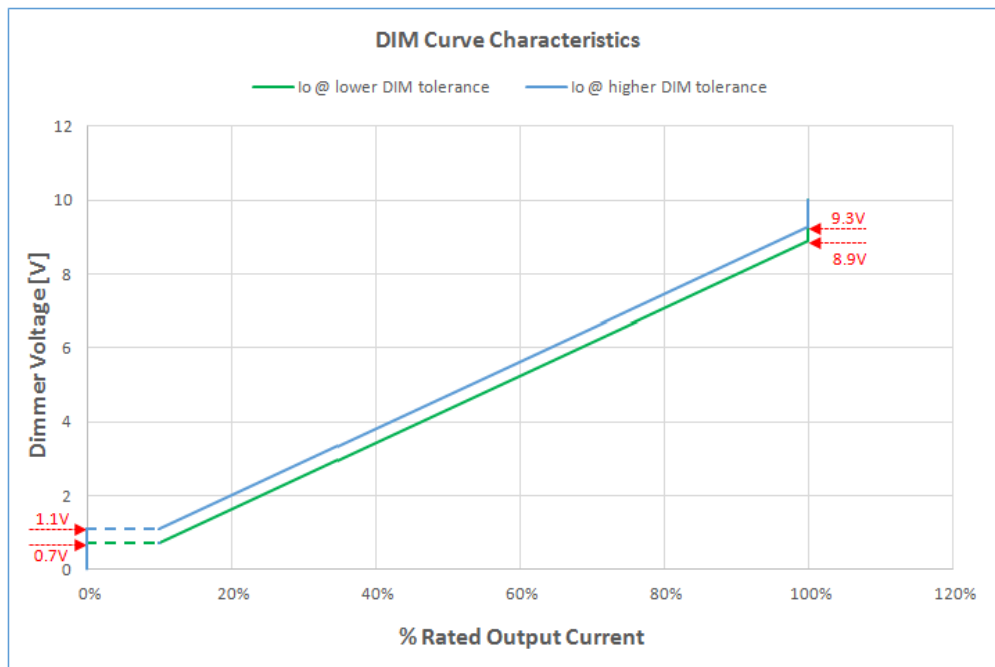
5 Years

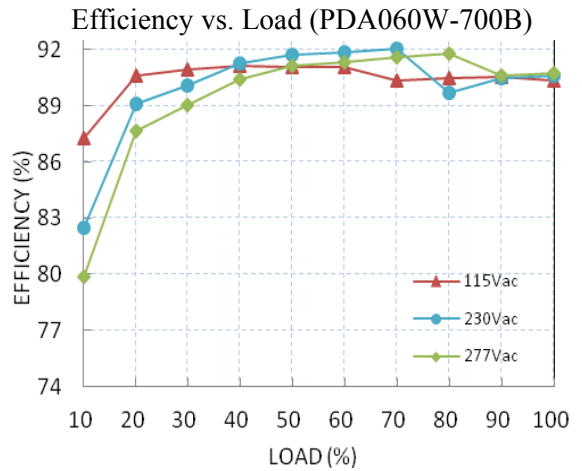
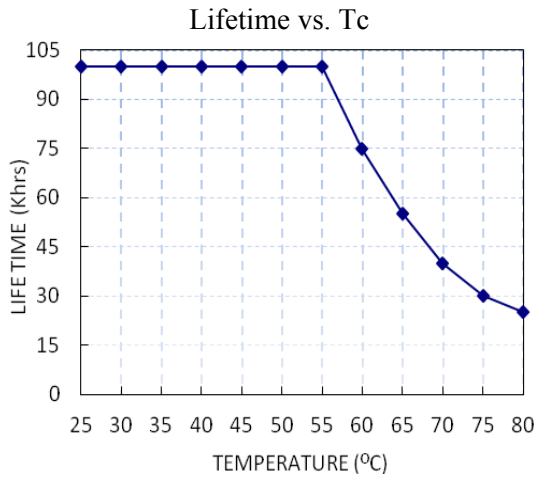
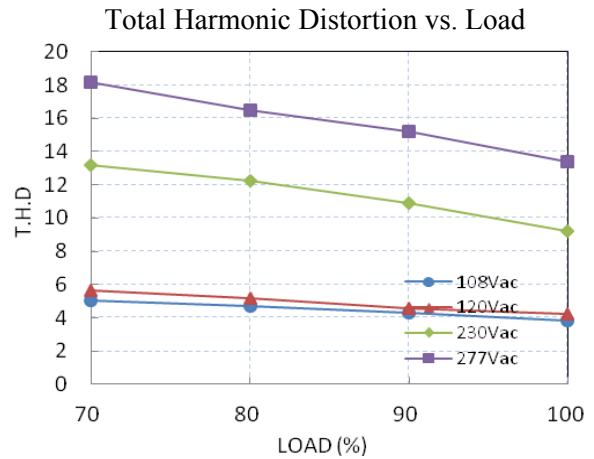
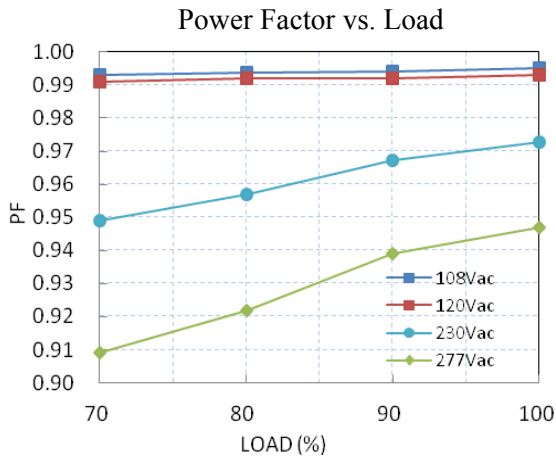


### Dimming Characteristics

#### Resistive Dimming Functions

Resistance Value	10kΩ	20kΩ	30kΩ	40kΩ	50kΩ	60kΩ	70kΩ	80kΩ	90kΩ	100kΩ	Open
Output Current	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	95-108%





Temperature Rating

