



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

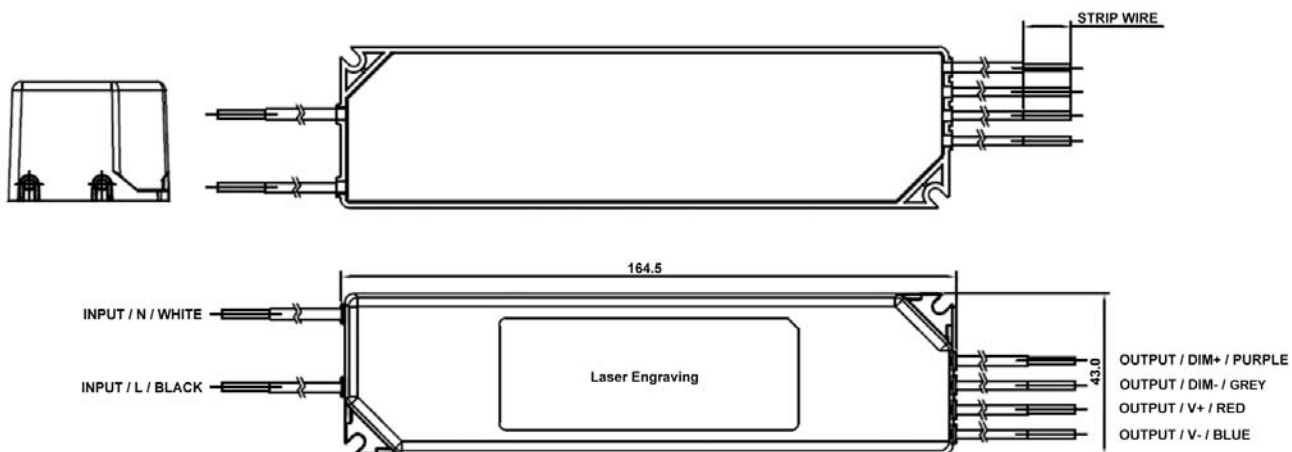
Auto shutdown

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

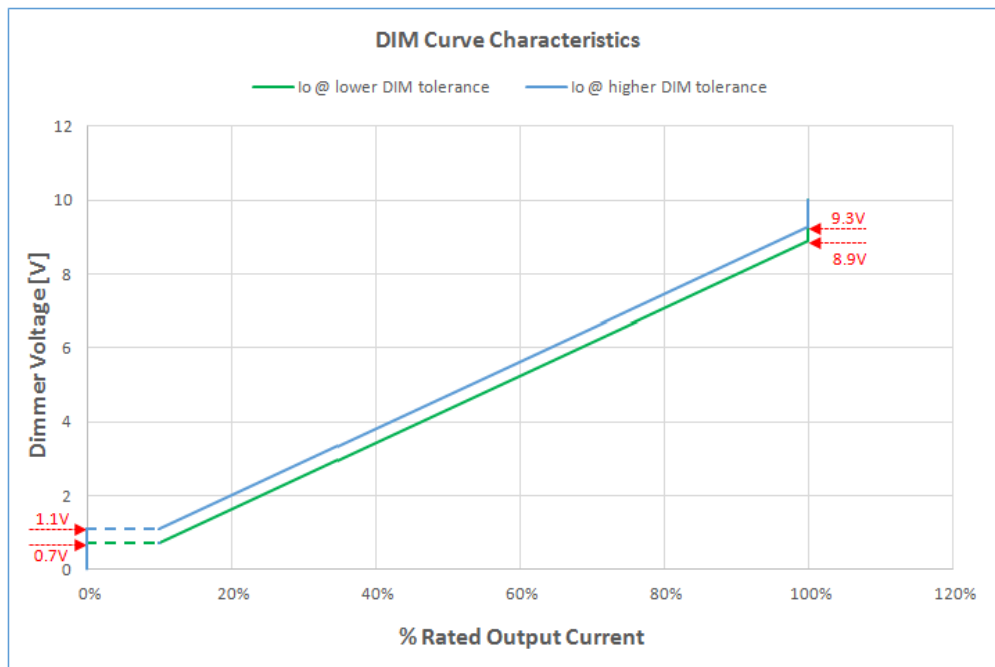
5 Years

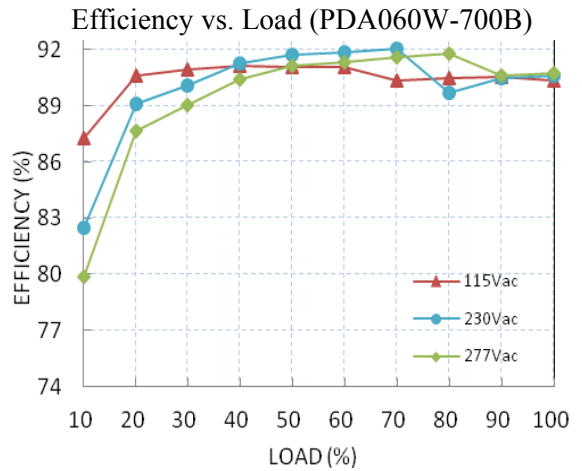
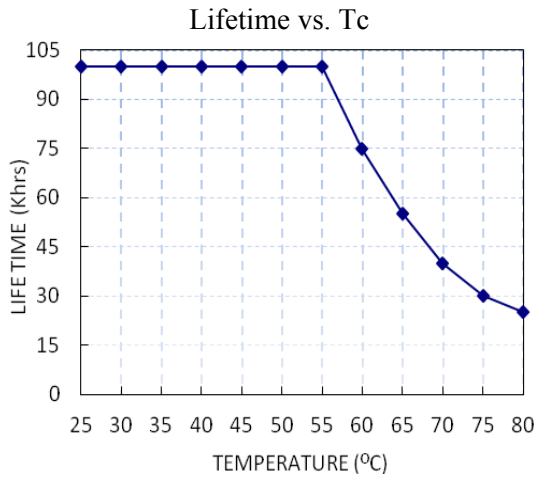
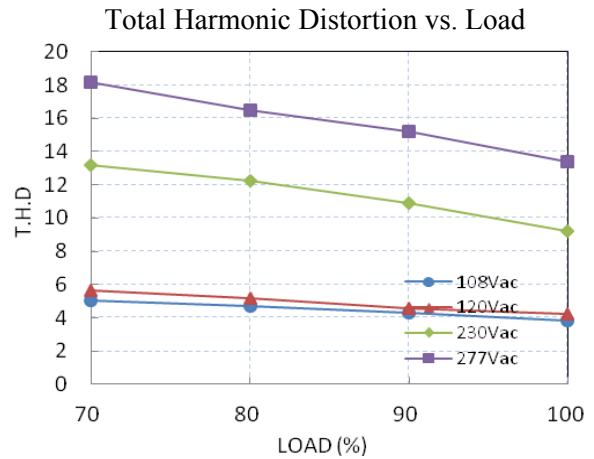
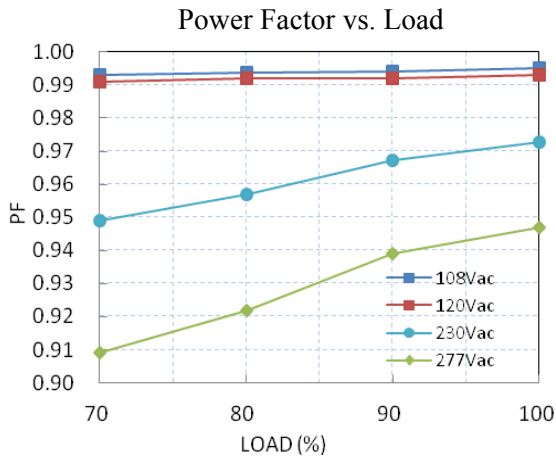


Dimming Characteristics

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

