



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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

Phihong is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at www.phihong.com for the most up-to-date specifications and contact information.

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

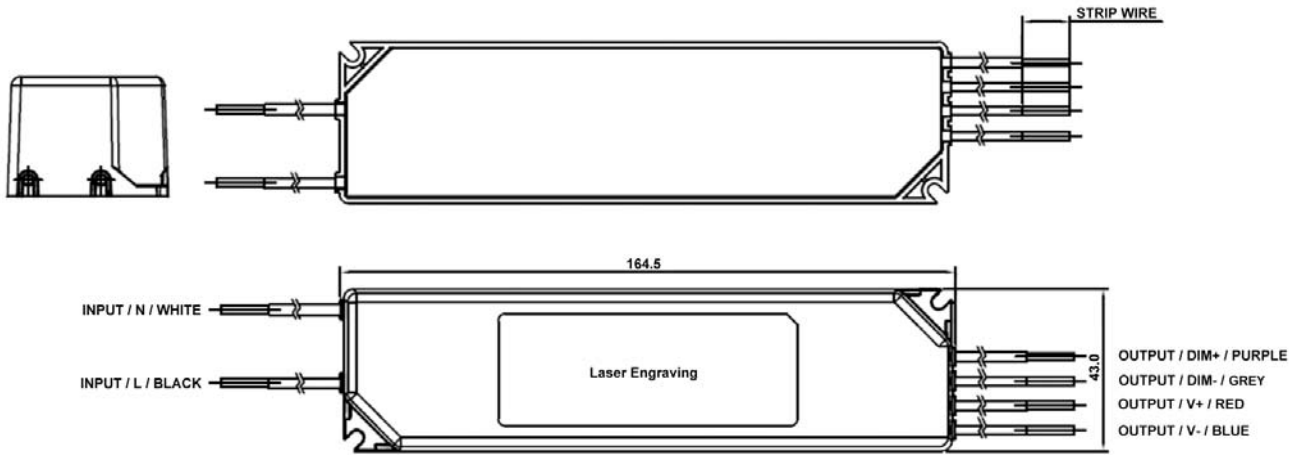
Auto shutdown

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

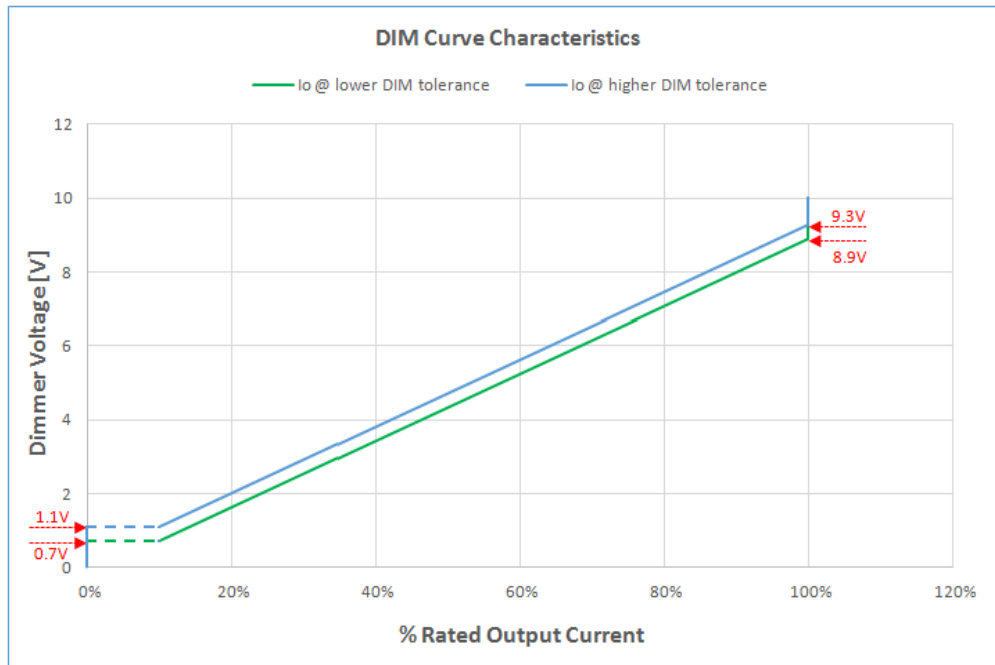
5 Years

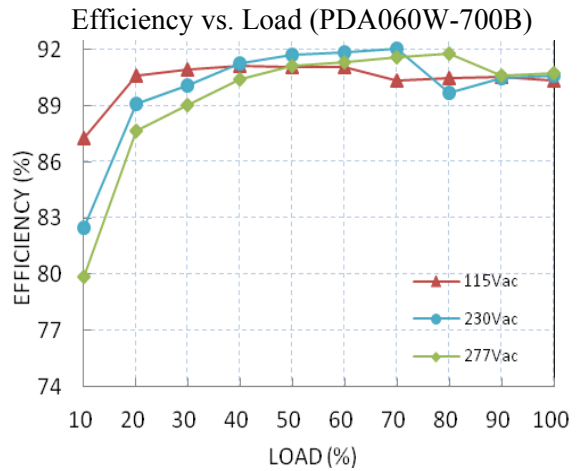
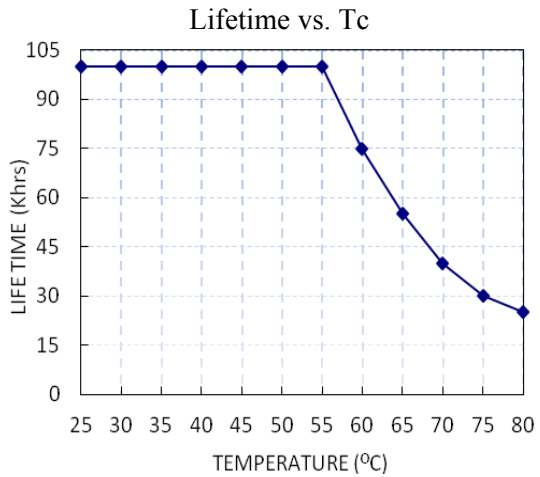
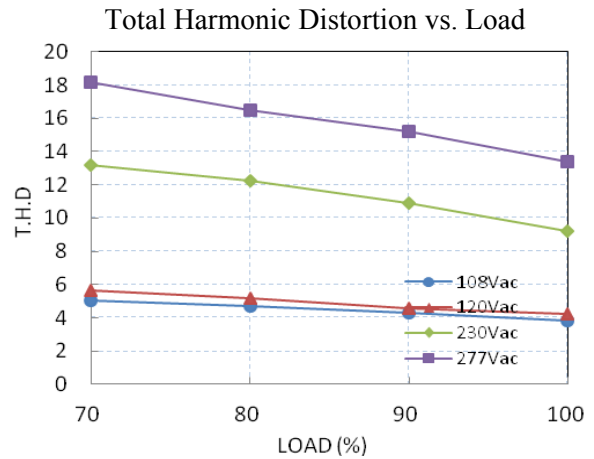
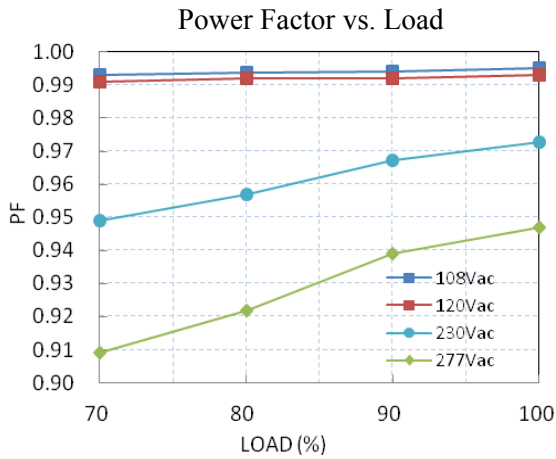


Dimming Characteristics

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

