



**HGPOWER<sup>®</sup>**

**LED POWER**



**HGPOWER<sup>®</sup>**

**CHANGZHOU HONGGUANG ELECTRON CO.,LTD.**

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CHANGZHOU HONGGUANG ELECTRON CO.,LTD.



# SPECIALIZED IN MANUFACTURING EXCEL OTHERS IN QUALITY



## Changzhou Hong Guang Radio Factory BRIEF INTRODUCTION

Changzhou Hongguang Electron CO.,LTD. established in 1998, is specialized in the development and production of LED drivers & switching power supply. It owns advanced production technique and perfect quality assurance system, its main product all passed the certification of CCC,UL,CE,GS,FCC, ISO9001 and ISO14001 as well.

Our current products are mainly used in LED lighting, communications, household appliances, computers, industrial equipment, etc. It has fixed assets of 80 million yuan, its plant buildings and dormitory area amounts to 38,000 sq. meters and its monthly capacity is 800,000 sets of LED drivers & switching power supply. Its serious and capable R&D team provides complete and effective solutions to clients.

We are aimed at introducing efficient, energy-saving and Green products with high quality to make Chinese famous brand.

### 1998.1

Chang Zhou Hong Guang Electron.co.,ltd.has changed from collective ownership into the shareholding system since Jan.1998

### 1998.12

We have passed ISO9002 quality certification system in December of 1998.

### 2003

Evaluate by Fareast International Appraisal & Consultation Co., Ltd as AAA class

### 2004

In 2004, **HGPOWER** products are appraised band-name product, the same year our company was appraised the "information apply experimental unit".

### 2005

In 2005, **HGPOWER** has got the onlooking laboratory which UL authorized, and expanded 10,000 square meters production workshop. EXPORT COMPANY "CHANGZHOU RUNFU ELECTRON CO., LTD." Founded.

### 2006

In 2006, we have obtained ISO9001 and the ISO14001 quality certification system which SGS authorized

### 2007

**HGPOWER** became Jiangsu High-Tech. company.

### 2008

**HGPOWER** became Jiangsu Green company.

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# HGPOWER®

CHANGZHOU HONGGUANG ELECTRON CO.,LTD.

## LA Series Constant Current LED Driver IP67

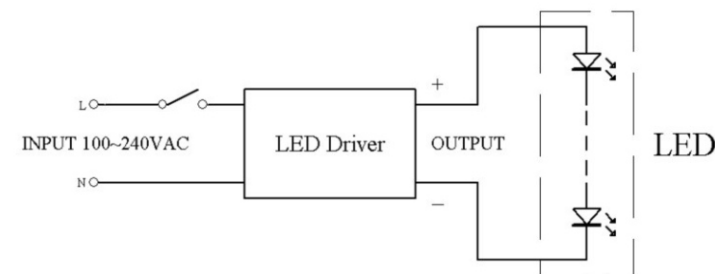
### Features

- Constant current mode.
- Installation:Independent.
- Universal AC input / Full range.
- Fully encapsulated with IP67 level.
- Protections: Short circuit/Over current.

### Compliance

- Magnetic Emission EN55015.
- Harmonic EN61000-3-2.
- Immunity EN61547.
- Safety EN61347-1,EN61347-2-13

### Wire diagram:



MODEL	INPUT	OUTPUT	RATED LOADING	EFFICIENCY (at Full Load)	DIMENSION(mm) (L*W*H)
LA5-350	100-240Vac	2~12VDC 350mA	1----3 LED	≥65%	58*28*22mm
LA5-700	100-240Vac	2~8VDC 700mA	1----2 LED	≥62%	58*28*22mm
LA9-350	100-240Vac	3~24VDC 350mA	1----6 LED	≥66%	130*25*21mm
LA9-700	100-240Vac	2~12VDC 700mA	1----6 LED	≥66%	130*25*21mm
LA20-350	100-240Vac	9~48VDC 350mA	3----12 LED	≥80%	140*30*20mm
LA20-700	100-240Vac	3~28VDC 700mA	1----7 LED	≥80%	140*30*20mm
LA35-350	100-240Vac	30~80VDC 350mA	9----20 LED	≥85%	148*32*26mm
LA35-700	100-240Vac	9~48VDC 700mA	3----12 LED	≥84%	148*32*26mm
LA35-1050	100-240Vac	9~30VDC 1050mA	3----7 LED	≥85%	148*32*26mm
LA35-1400	100-240Vac	9~24VDC 1400mA	3----6 LED	≥85%	148*32*26mm
LA50-700	100-240Vac	30~72VDC 700mA	9----18 LED	≥85%	148*40*30mm
LA50-1050	100-240Vac	9~48VDC 1050mA	3----12 LED	≥85%	148*40*30mm
LA50-1400	100-240Vac	9~36VDC 1400mA	3----9 LED	≥85%	148*40*30mm
LA60-1050	100-240Vac	12~60VDC 1050mA	4----15 LED	≥85%	162*42.5*30mm
LA60-1400	100-240Vac	9~42VDC 1400mA	3----10 LED	≥85%	162*42.5*30mm
LA60-1750	100-240Vac	9~36VDC 1750mA	3----9 LED	≥85%	162*42.5*30mm

## LV Series Constant Voltage LED Power IP67

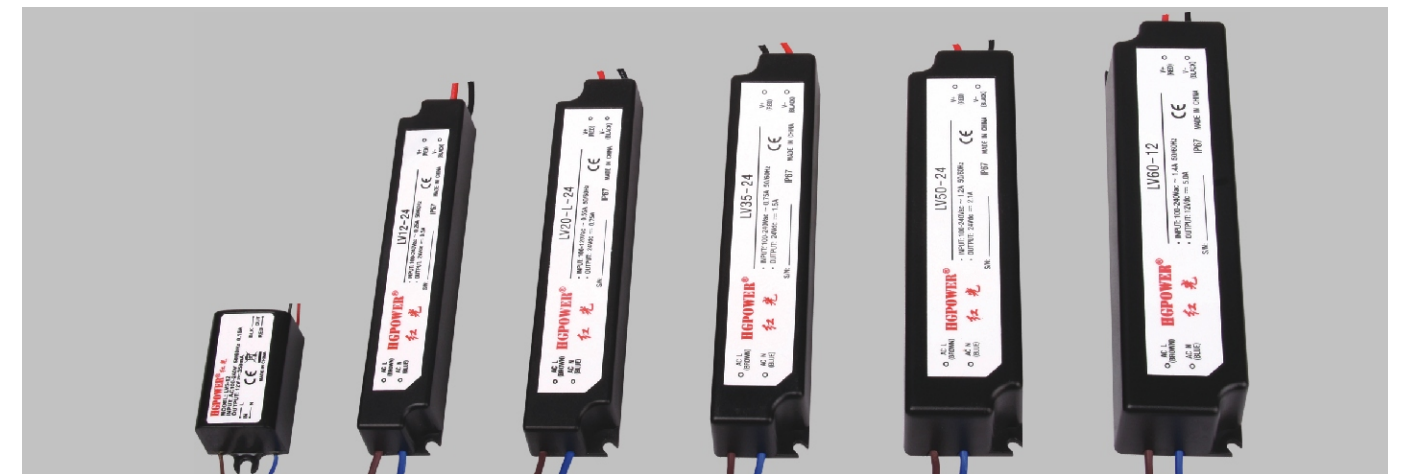
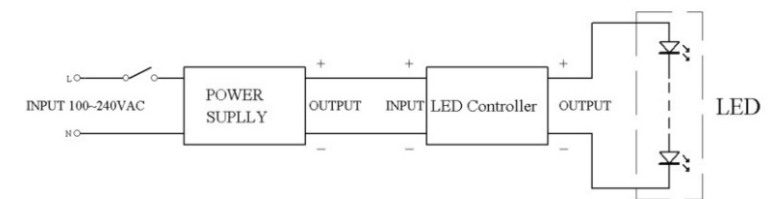
### Features

- Constant voltage mode power supply.
- Installation:Independent.
- Universal AC input / Full range.
- Fully encapsulated with IP67 level.
- Protections: Short circuit/Over current.

### Compliance

- Magnetic Emission EN55015.
- Harmonic EN61000-3-2.
- Immunity EN61547.
- Safety EN61347-1,EN61347-2-13

### Wire diagram:



MODEL	INPUT	OUTPUT	RIPPLE & NOISE(Max)	EFFICIENCY (at Full Load)	DIMENSION(mm) (L*W*H)
LV5-12	100-240Vac	12VDC 0.4A	200mVp-p	≥77%	58*28*22mm
LV5-24	100-240Vac	24VDC 0.2A	200mVp-p	≥77%	58*28*22mm
LV12-12	100-240Vac	12VDC 1A	300mVp-p	≥77%	130*25*21mm
LV12-24	100-240Vac	24VDC 0.5A	300mVp-p	≥77%	130*25*21mm
LV20-12	100-240Vac	12VDC 1.5A	300mVp-p	≥79%	140*30*20mm
LV20-24	100-240Vac	24VDC 0.75A	300mVp-p	≥81%	140*30*20mm
LV35-12	100-240Vac	12VDC 3A	300mVp-p	≥82%	148*32*26mm
LV35-24	100-240Vac	24VDC 1.5A	300mVp-p	≥84%	148*32*26mm
LV50-12	100-240Vac	12VDC 4A	300mVp-p	≥82%	148*40*30mm
LV50-24	100-240Vac	24VDC 2A	300mVp-p	≥84%	148*40*30mm
LV60-12	100-240Vac	12VDC 5A	300mVp-p	≥82%	162*42.5*30mm
LV60-24	100-240Vac	24VDC 2.5A	300mVp-p	≥84%	162*42.5*30mm

## LA-P Series Constant Current LED Driver IP67 PFC

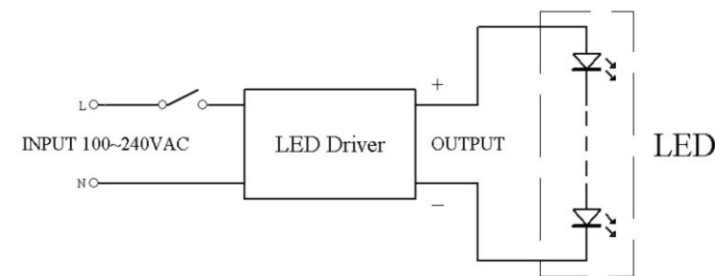
### Features

- Constant current mode.
- Built-in active PFC function, PFC>0.9 at full loading.
- Installation:Independent.
- Universal AC input / Full range.
- Fully encapsulated with IP67 level.
- Protections: Short circuit/Over current.

### Compliance

- Magnetic Emission EN55015.
- Harmonic EN61000-3-2.
- Immunity EN61547.
- Safety EN61347-1,EN61347-2-13.

### Wire diagram:



MODEL	INPUT	OUTPUT	RATED LOADING	PFC	EFFICIENCY FACTOR	DIMENSION(mm) (L*W*H)
LA20P-350	100-240Vac 50/60Hz	24~48VDC 350mA	7----12 LED	≥80%	≥82%	140*30*20mm
LA20P-700	100-240Vac 50/60Hz	14~28VDC 700mA	4----7 LED	≥80%	≥82%	140*30*20mm
LA35P-350	100-240Vac 50/60Hz	40~80VDC 350mA	11----20 LED	≥80%	≥87%	148*32*26mm
LA35P-700	100-240Vac 50/60Hz	24~48VDC 700mA	7----12 LED	≥80%	≥85%	148*32*26mm
LA35P-1050	100-240Vac 50/60Hz	16~32VDC 1050mA	5----8 LED	≥80%	≥87%	148*32*26mm
LA50P-700	100-240Vac 50/60Hz	36~72VDC 700mA	11----18 LED	≥80%	≥87%	148*40*30mm
LA50P-1050	100-240Vac 50/60Hz	24~48VDC 1050mA	7----12 LED	≥80%	≥87%	148*40*30mm
LA60P-700	100-240Vac 50/60Hz	40~80VDC 700mA	11----20 LED	≥80%	≥87%	162*42.5*30mm
LA60P-1050	100-240Vac 50/60Hz	30~60VDC 1050mA	9----15 LED	≥80%	≥87%	162*42.5*30mm
LA60P-1400	100-240Vac 50/60Hz	20~42VDC 1400mA	6----10 LED	≥80%	≥87%	162*42.5*30mm

## LV-P Series Constant Voltage LED Power IP67 PFC

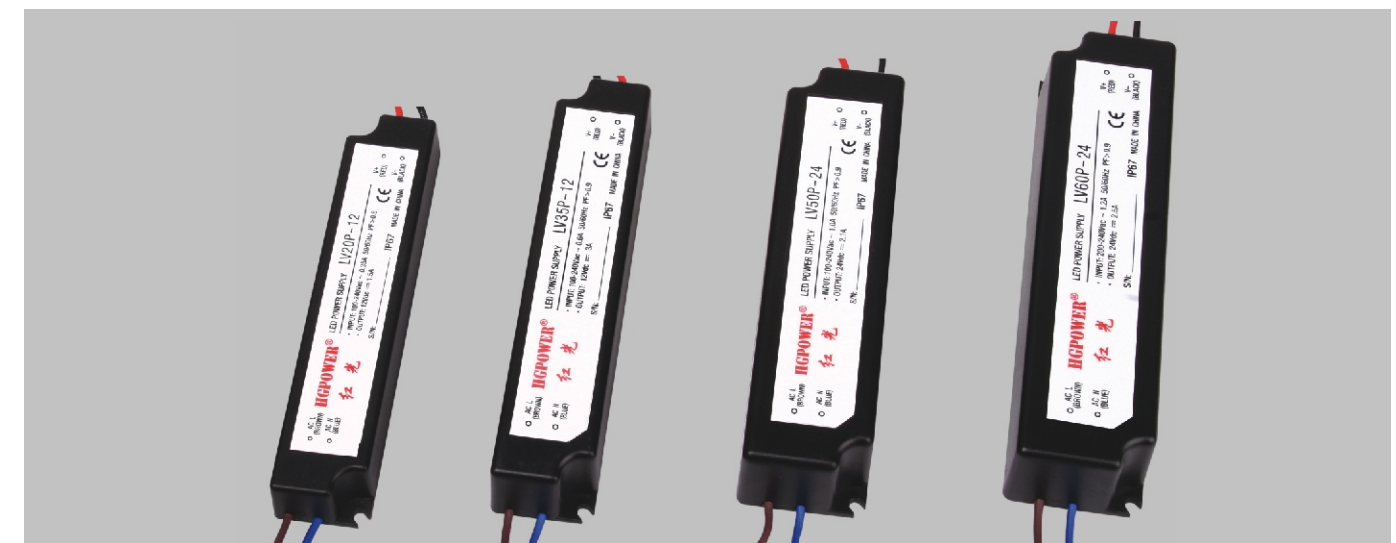
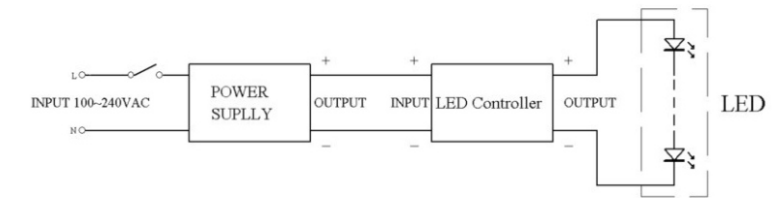
### Features

- Constant voltage mode power supply
- Built-in active PFC function, PFC>0.9
- Installation:Independent.
- Universal AC input / Full range.
- Fully encapsulated with IP67 level.
- Protections: Short circuit/Over current.

### Compliance

- Magnetic Emission EN55015.
- Harmonic EN61000-3-2.
- Immunity En61547.
- Safety EN61347-1,EN61347-2-13.

### Wire diagram:



MODEL	INPUT	OUTPUT	RIPPLE & NOISE(Max)	PFC (≥75% Load)	EFFICIENCY (at Full Load)	DIMENSION(mm) (L*W*H)
LV20P-12	100-240Vac 50/60Hz	12VDC 1.5A	2Vp-p	≥90%	≥79%	140*30*20mm
LV20P-24	100-240Vac 50/60Hz	24VDC 0.75A	3Vp-p	≥90%	≥81%	140*30*20mm
LV35P-12	100-240Vac 50/60Hz	12VDC 3A	2Vp-p	≥90%	≥82%	148*32*26mm
LV35P-24	100-240Vac 50/60Hz	24VDC 1.5A	3Vp-p	≥90%	≥84%	148*32*26mm
LV50P-12	100-240Vac 50/60Hz	12VDC 4A	2Vp-p	≥90%	≥82%	148*40*30mm
LV50P-24	100-240Vac 50/60Hz	24VDC 2A	3Vp-p	≥90%	≥84%	148*40*30mm
LV60P-12	100-240Vac 50/60Hz	12VDC 5A	2Vp-p	≥90%	≥82%	162*42.5*30mm
LV60P-24	100-240Vac 50/60Hz	24VDC 2.5A	3Vp-p	≥90%	≥84%	162*42.5*30mm

## LA-PE Series Constant Current LED Driver PFC

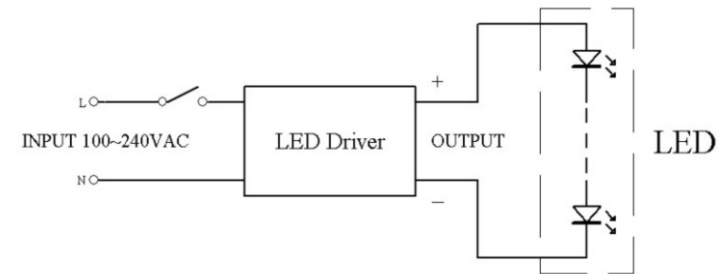
### Features

- Constant current mode.
- Built-in active PFC function, PFC>0.9 at full loading.
- Installation:Independent.
- Universal AC input / Full range.
- Protections: Short circuit/Over current.

### Compliance

- Magnetic Emission EN55015.
- Harmonic EN61000-3-2.
- Immunity EN61547.
- Safety EN61347-1,EN61347-2-13

### Wire diagram:



MODEL	INPUT	OUTPUT	RATED LOADING	PFC	EFFICIENCY (at Full Load)	DIMENSION(mm) (L*W*H)
LA6PE-350	100-240Vac 50/60Hz	12~26VDC 350mA	3----6 LED	≥70%	≥73%	89*39*23
LA6PE-700	100-240Vac 50/60Hz	3~9VDC 700mA	1----2 LED	≥70%	≥64%	89*39*23
LA12PE-350	100-240Vac 50/60Hz	18~40VDC 350mA	6----10 LED	≥70%	≥82%	114*45*28
LA12PE-700	100-240Vac 50/60Hz	8~18VDC 700mA	2----4 LED	≥70%	≥82%	114*45*28
LA20PE-350	100-240Vac 50/60Hz	30~72VDC 350mA	10----18 LED	≥70%	≥82%	140*45*28
LA20PE-700	100-240Vac 50/60Hz	12~36VDC 700mA	4----8 LED	≥70%	≥82%	140*45*28

## LA-Y Series Constant Current LED Driver IP67

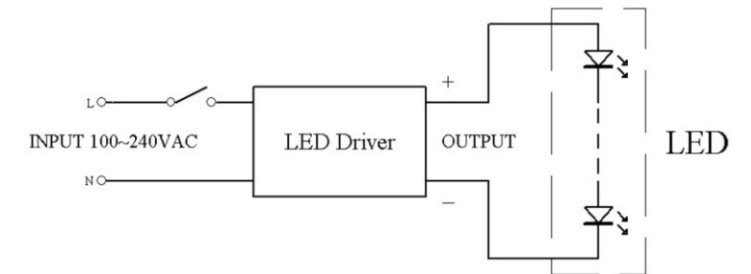
### Features

- Constant current mode.
- Installation:Independent.
- Universal AC input / Full range.
- Protections: Short circuit/Over current

### Compliance

- Magnetic Emission EN55015.
- Harmonic EN61000-3-2.
- Immunity EN61547.
- Safety EN61347-1,EN61347-2-13.

### Wire diagram:



MODEL	INPUT	OUTPUT	RATED LOADING	EFFICIENCY (at Full Load)	DIMENSION(mm) (L*W*H)
LA12Y-350	100-240Vac 50/60Hz	3~32VDC 350mA	1----8LED	≥72%	Φ 64*30mm
LA12Y-700	100-240Vac 50/60Hz	3~16VDC 700mA	1----4 LED	≥70%	Φ 64*30mm
LA20Y-350	100-240Vac 50/60Hz	9~48VDC 350mA	3----12 LED	≥80%	Φ 78*30mm
LA20Y-700	100-240Vac 50/60Hz	3~28VDC 700mA	1----7 LED	≥80%	Φ 78*30mm
LA35Y-350	100-240Vac 50/60Hz	30~80VDC 350mA	9----20 LED	≥85%	Φ 96*32mm
LA35Y-700	100-240Vac 50/60Hz	9~48VDC 700mA	3----12 LED	≥84%	Φ 96*32mm
LA35Y-1050	100-240Vac 50/60Hz	9~30VDC 1050mA	3----7 LED	≥85%	Φ 96*32mm
LA35Y-1400	100-240Vac 50/60Hz	9~24VDC 1400mA	3----6 LED	≥85%	Φ 96*32mm

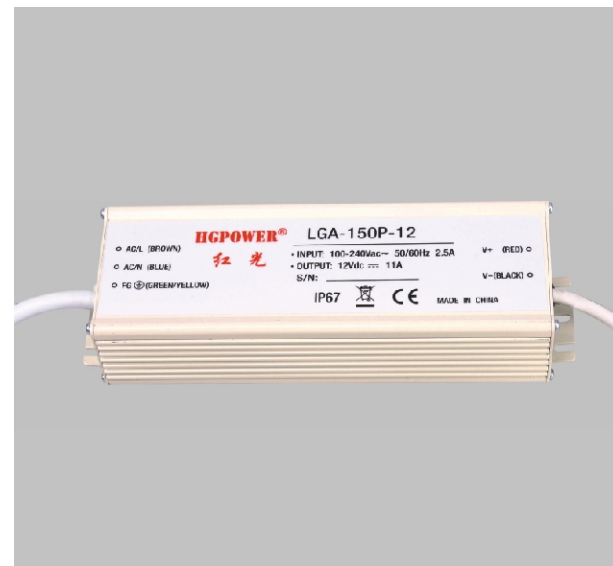
## LGA Series Constant Current LED Driver IP67 PFC

### Features

- Constant current mode.
- Built-in active PFC function, PFC>0.9
- Installation:Independent.
- Universal AC input / Full range.
- Fully encapsulated with IP67 level.
- Protections: Short circuit/Over current.

### Compliance

- Magnetic Emission EN55015.
- Harmonic EN61000-3-2.
- Immunity EN61547.
- Safety EN61347-1,EN61347-2-13.



MODEL	INPUT	OUTPUT	RIPPLE & NOISE(Max)	PFC (≥75% Load)	EFFICIENCY (at Full Load)	DIMENSION(mm) (L*W*H)
LGA-60P-12	100-240Vac 50/60Hz	12VDC 5A	2.2Vp-p	≥90%	≥81.5%	195*65.5*40.3mm
LGA-60P-15	100-240Vac 50/60Hz	15VDC 4A	2Vp-p	≥90%	≥84.5%	195*65.5*40.3mm
LGA-60P-20	100-240Vac 50/60Hz	20VDC 3A	2.5Vp-p	≥90%	≥86%	195*65.5*40.3mm
LGA-60P-24	100-240Vac 50/60Hz	24VDC 2.5A	2.7Vp-p	≥90%	≥86%	195*65.5*40.3mm
LGA-60P-27	100-240Vac 50/60Hz	27VDC 2.3A	2.7Vp-p	≥90%	≥86%	195*65.5*40.3mm
LGA-60P-36	100-240Vac 50/60Hz	36VDC 1.7A	3.6Vp-p	≥90%	≥87%	195*65.5*40.3mm
LGA-60P-48	100-240Vac 50/60Hz	48VDC 1.3A	4.6Vp-p	≥90%	≥87%	195*65.5*40.3mm
LGA-100P-12	100-240Vac 50/60Hz	12VDC 5A	200mVp-p	≥95%	≥84%	195*65.5*40.3mm
LGA-100P-15	100-240Vac 50/60Hz	15VDC 5A	200mVp-p	≥95%	≥84%	195*65.5*40.3mm
LGA-100P-20	100-240Vac 50/60Hz	20VDC 4.8A	200mVp-p	≥95%	≥85%	195*65.5*40.3mm
LGA-100P-24	100-240Vac 50/60Hz	24VDC 4A	200mVp-p	≥95%	≥85%	195*65.5*40.3mm
LGA-100P-27	100-240Vac 50/60Hz	27VDC 3.6A	200mVp-p	≥95%	≥85%	195*65.5*40.3mm
LGA-100P-36	100-240Vac 50/60Hz	36VDC 2.7A	200mVp-p	≥95%	≥85%	195*65.5*40.3mm
LGA-100P-48	100-240Vac 50/60Hz	48VDC 2.1A	200mVp-p	≥95%	≥85%	195*65.5*40.3mm
LGA-150P-12	100-240Vac 50/60Hz	12VDC 11A	200mVp-p	≥95%	≥86%	221*69.8*45.3mm
LGA-150P-15	100-240Vac 50/60Hz	15VDC 9.5A	200mVp-p	≥95%	≥86%	221*69.8*45.3mm
LGA-150P-20	100-240Vac 50/60Hz	20VDC 7.5A	200mVp-p	≥95%	≥88%	221*69.8*45.3mm
LGA-150P-24	100-240Vac 50/60Hz	24VDC 6.3A	200mVp-p	≥95%	≥88%	221*69.8*45.3mm
LGA-150P-27	100-240Vac 50/60Hz	27VDC 5A	200mVp-p	≥95%	≥88%	221*69.8*45.3mm
LGA-150P-36	100-240Vac 50/60Hz	36VDC 4.2A	200mVp-p	≥95%	≥88%	221*69.8*45.3mm
LGA-150P-48	100-240Vac 50/60Hz	48VDC 3.2A	200mVp-p	≥95%	≥88%	221*69.8*45.3mm

## LA-D Series Dimming LED Driver

### Features

- Dimming Method: 1-10 VDC DC Input Voltage under 5% Tolerance
- Peak current limitation
- Installation : Independent
- Universal AC input / Full range
- Protections: Short circuit / Over current.

### Compliance

- Magnetic Emission EN55015.
- Harmonic EN61000-3-2.
- Immunity EN61547.
- Safety EN61347-1,EN61347-2-13.



MODEL	INPUT	OUTPUT	RATED LOADING	EFFICIENCY (at Full Load)	DIMENSION(mm) (L*W*H)
LA6D-350	100-240Vac 50/60Hz	12~26VDC 350mA Max	4----6 LED	≥73%	89*39*23
LA6D-700	100-240Vac 50/60Hz	3~9VDC 700mA Max	1----2 LED	≥64%	89*39*23
LA12D-350	100-240Vac 50/60Hz	24~40VDC 350mA Max	8----10 LED	≥82%	114*45*28
LA12D-700	100-240Vac 50/60Hz	9~18VDC 700mA Max	3----4 LED	≥82%	114*45*28
LA20D-350	100-240Vac 50/60Hz	36~72VDC 350mA Max	12----18 LED	≥82%	140*45*28
LA20D-700	100-240Vac 50/60Hz	15~36VDC 700mA Max	5----8 LED	≥82%	140*45*28