

# Lighting and Power

Technologies LLC

## LED DRIVERS



- High Power
- Adjustable Current  
(*DIP switch*)
- AC 200v-480v
- Dimmable 0-10v/PWM
- Surge Protection

Lighting and Power Technologies  
7101 Whisperfield Drive, Plano, TX 75024  
PH: 877-666-5267 FAX: 972-624-5800  
[www.lightingandpowertech.com](http://www.lightingandpowertech.com)





## Dimming Control Constant Current Driver (3 current options)

### APPLICATION

Apply to indoor & outdoor LED lighting fixtures.

### PRODUCT CHARACTERISTICS

- Using DIP switch to achieve three different current options, with 1~10V/PWM dimming function.
- International AC input voltage range: AC220-480V
- Surge Protection
- Isolation circuits design
- Protection : Output short circuit protection、Output open circuit protection、Output over-load protection
- UL listed

### Electrical Characteristics

Frequency range	AC200-480V
Frequency	47~63Hz
Leakage current	<0.5mA at 508.8VAC
Startup time	0-2S,200VAC      0-1S,480VAC

### Environment

Operating Temperature	-40°C ~50°C
Storage temperature	-40°C ~85°C
Service life	50000 hour ( 25°C )

### Safety & EMC

Withstand Voltage	I/P - O/P : 3.75KVAC,60s ; I/P - FG :1.875KVAC.60s ; O/P -FG :1.875KVAC.60s
Surge Protection	EN61000-4-5 (Surge: L-N : 6KVAC , L-FG : 6KVAC ,N-FG : 6KVAC )
Performance /safety standards	UL8750      UL1012      UL1310      UL60950
EMC	ANSI.C63.4:2009 Class B



**Power: 30W-85W**



Material: Aluminum case

Output line way: Silicone cable



( For Outdoor Use )

Code	Model	Input	Power(W)	Constant current output	Dimming range	PF(λ)	Efficiency	L × W × H (mm)	Certification
80808	HQLPC30/225/700 (1050/1400)P/D3E1	AC200-480V	9-30W	700mA ±5% 12V-43V	10%-100%	≥0.95	≥88%	242×50×40.5	UL
			13-30W	1050mA±5% 12V-29V	10%-100%				
			17-31W	1400mA±5% 12V-22V	10%-100%				
80809	HQLPC50/225/700 (1050/1400)P/D3E1	AC200-480V	18-50W	700mA ±5% 26V-72V	10%-100%	≥0.95	≥88%	242×50×40.5	UL
			27-50W	1050mA±5% 26V-48V	10%-100%				
			36-50W	1400mA±5% 26V-36V	10%-100%				
80810	HQLPC85/225/1400 (1750/2100)P/D3E1	AC200-480V	28-85W	1400mA±5% 20V-61V	10%-100%	≥0.95	≥88%	242×50×40.5	UL
			35-84W	1750mA±5% 20V-48V	10%-100%				
			42-88W	2100mA±5% 20V-42V	10%-100%				



**Power: 100W-150W**



Material: Aluminum case

Output line way: Silicone cable



( For Outdoor Use )

Code	Model	Input	Power(W)	Constant current output	Dimming range	PF(λ)	Efficiency	L × W × H (mm)	Certification
80811	HQLPC100/225/2100 (2450/2800)P/D4E1	AC200-480V	29-101W	2100mA±5% 14V-48V	10%-100%	≥0.95	≥88%	250x63x38	UL
			34-100W	2450mA±5% 14V-41V	10%-100%				
			39-101W	2800mA±5% 14V-36V	10%-100%				
80812	HQLPC150/225/2100 (2800/3150)P/D4E1	AC200-480V	55-149W	2100mA±5% 26V-72V	10%-100%	≥0.95	≥88%	250x63x38	UL
			73-151W	2800mA±5% 26V-54V	10%-100%				
			82-151W	3150mA±5% 26V-48V	10%-100%				



**Power: 200W-350W**



Material: Aluminum case

Output line way: Silicone cable



( For Outdoor Use )

Code	Model	Input	Power(W)	Constant current output	Dimming range	PF(λ)	Efficiency	L × W × H (mm)	Certification
80813	HQLPC200/225/2800 (3500/4200)P/D4E1	AC200-480V	73-202W	2800mA±5% 26V-72V	10%-100%	≥0.95	≥88%	265x99x50	UL
			91-196W	3500mA±5% 26V-56V	10%-100%				
			109-202W	4200mA±5% 26V-48V	10%-100%				
80814	HQLPC250/225/3500 (4200/4900)P/D7E1	AC200-480V	91-252W	3500mA±5% 26V-72V	10%-100%	≥0.95	≥88%	265x99x50	UL
			109-252W	4200mA±5% 26V-60V	10%-100%				
			127-255W	4900mA±5% 26V-52V	10%-100%				
80815	HQLPC300/225/4900 (5600/6300)P/D7E1	AC200-480V	98-304W	4900mA±5% 20V-62V	10%-100%	≥0.95	≥88%	265x99x50	UL
			112-302W	5600mA±5% 20V-54V	10%-100%				
			126-302W	6300mA±5% 20V-48V	10%-100%				

# **Lighting and Power**

T e c h n o l o g i e s L L C



**Watran**

**Deltek Ballast**

7101 Whisperfield Dr, Plano, TX 75024

PH:972-624-5000

Fax:972-624-5800

[sales@lightingandpowertech.com](mailto:sales@lightingandpowertech.com)

[www.lightingandpowertech.com](http://www.lightingandpowertech.com)