

# SHINRY — AC/DC LED Driver Module – T8 Tube LED Driver

## 欣锐特 — AC/DC LED 驱动模块 – T8 日光灯管驱动

**PART NUMBER (型号)** LRC160-42WGB-7DE LRC540-42WGB-7DE  
LRC140-52WGB-7DE LRC430-52WGB-7DE

**SUPPLIER (供应商)**



### INTRODUCTION

Headquartered in Shenzhen China, Shinry Technologies is a world-class electronic enterprise specialized in design, manufacture, marketing & sales of highly reliable LED drivers with ultra high efficiency, HEV/EV DC-DC converter, top-end customized power supply products. As a national high-tech enterprise, Shinry has set up a Green-Lighting R&D center since 2006 and has entered LED industry comprehensively since 2008. Shinry provides 3W to 300W series of LED drivers for indoor lighting, outdoor lighting, LED display as well as intelligent control system.

### DESCRIPTION AND FEATURES

Internal LED driver for T8 tube; Isolated high-efficiency design;  
Output current:160mA-540mA with corresponding output voltage: 30-42V;  
Output current:140mA-430mA with corresponding output voltage: 42-52V;  
Multi protection functions: OVP, OLP, SCP, Soft start;  
CE certificated; UL, FCC, TUV, ETL, PSE, CCC qualified;

### APPLICATION

Suitable for T5, T8, T10 LED tube; Power: 5W-24W

### 简介

深圳市欣锐特科技有限公司，是一家以节能减排、新能源产业为核心的国家级高新技术企业，提供高效率、高功率密度、小型化、智能化、高可靠性的电力电子解决方案。产品线涵盖LED照明驱动电源、新能源汽车DC-DC变换器总成、高端定制电源。公司于2006年创立绿色照明研发中心，2008年开始全面进军LED产业，主要产品应用包括LED户外照明、室内照明、LED显示屏专用驱动电源及照明智能控制系统等。

### 描述和特性

LED日光灯内置恒流驱动电源系列，隔离型高效方案设计；  
输出电流适用范围：160mA-540mA (毫安)，对应输出电压：30-42V (伏)；  
输出电流适用范围：140mA-430mA (毫安)，对应输出电压：42-52V (伏)；  
多项保护功能：OVP、OLP、SCP、Soft start；  
通过CE，符合UL、FCC、TUV、ETL、PSE、CCC多项认证。

### 应用

适用于T5、T8、T10日光灯管，功率范围5W-24W (瓦)



### PRODUCT FEATURES (产品特性)

Part No. 产品编号	LRC160-42WGB-7DE	LRC540-42WGB-7DE	LRC140-52WGB-7DE	LRC430-52WGB-7DE
Input Voltage 输入电压	90 ~ 264Vac	90 ~ 264Vac	90 ~ 264Vac	90 ~ 264Vac
Output Voltage 输出电压	30 ~ 42V	30 ~ 42V	42 ~ 52V	42 ~ 52V
Output Current 输出电流	160mA	540mA	140mA	430mA
Power Range 输出功率	7W	22W	7W	22W
Efficiency 效率	78%	85%	78%	87%
Power Factor 功率因数	≥0.90	≥0.90	≥0.90	≥0.90
Isolation Voltage 耐高压	3750V	3750V	3750V	3750V
Life Time 寿命	50000H	50000H	50000H	50000H
Reference Size 参考尺寸	245 x 18 x 11mm	245 x 18 x 11mm	245 x 18 x 11mm	245 x 18 x 11mm

### APPLICATION NOTES

When installing the LED tube, please always pay special attention to the following key points about the wire rod that connect the power supply with the LED base board, which will greatly help improve EMC test result for the whole appliance:

1. Wire rod length recommendation: please keep the AC input wire long enough for convenient installation, and keep the wire rod ideally less than 5cm between the LED base board and the power supply output terminal.
2. If the two wire cords of the input or output are separated, please twist them as hard as possible. If the two wire cords are parallel, suggest using a bonded wire.

### 应用提示

客户在进行LED日光灯管组装时，灯管连接电源所用线材需注意以下事项，将对整灯EMC测试结果有很好帮助，余量更足：

1. 连接线长度建议：AC输入线尽量长，连接灯板的LED+/LED-与电源输出端的线尽量短，少于5cm为宜。
2. 电源输入 / 输出端线材若采用分离的二根线，则建议作绞合动作，且在不影响组装及使用情况下绞合密度越大越好；若采用并行的二根线，则选用粘合在一起的为宜。

**PART NUMBER (型号)** LLC80-4035WNF LLC120-6035WNF  
 LLC150-8035WNF LLC200-10035WNF

**SUPPLIER (供应商)**



**DESCRIPTION AND FEATURES**

LED waterproof constant current power supply with multi-channel output;  
 Highly-Reliable design; Stable application;  
 Constant current output with 4 to 10 Channels, IP 67 waterproof;  
 Protect functions: OVP, OCP, SCP, OTP;  
 CE certificated; UL, FCC, TUV, ETL, PSE, CCC qualified;

**描述和特性**

LED防水型多路恒流驱动电源系列，高可靠性方案设计，应用稳定；  
 4路-10路恒流输出，防水等级IP67；  
 保护功能：OVP、OCP、SCP、OTP；  
 通过CE，符合UL、FCC、TUV、ETL、PSE、CCC多项认证。

**APPLICATION**

For LED street lamp, LED tunnel light

**应用**

LED路灯、隧道灯



**PRODUCT FEATURES (产品特性)**

Part No. 产品编号	LLC80-4035WNF	LLC120-6035WNF	LLC150-8035WNF	LLC200-10035WNF
Input Voltage 输入电压	90 ~ 264Vac	90 ~ 264Vac	90 ~ 264Vac	90 ~ 264Vac
Output Voltage 输出电压	46 ~ 51V	46 ~ 51V	46 ~ 51V	46 ~ 51V
Output Current 输出电流	350mA / 路(4路)	350mA / 路(6路)	350mA / 路(8路)	350mA / 路(10路)
Power Range 输出功率	80W	120W	150W	200W
Efficiency 效率	≥89%	≥89%	≥90%	≥90%
Power Factor 功率因数	≥0.93	≥0.95	≥0.95	≥0.95
Isolation Voltage 耐高压	1500V	1500V	1500V	1500V
Life Time 寿命	50000H	50000H	50000H	50000H
Reference Size 参考尺寸	173 x 80 x 45mm	173 x 80 x 45mm	229 x 90 x 45mm	229 x 90 x 45mm

SHINRY — AC/DC LED Driver Module – LED Display Driver  
 欣锐特 — AC/DC LED 驱动模块 – LED 屏显示驱动

**PART NUMBER (型号)** LBV200-5WTU LBV200-5WHK LBV300-5WHK

**SUPPLIER (供应商)**



**DESCRIPTION AND FEATURES**

LED power supply for display; efficiency above 90%, PF above 0.98;  
 Thickness: super-thin type 26mm only, and rectangle type 32mm;  
 Working temperature: -40°C ~ 80°C;  
 Protect functions: OVP, OCP, SCP, OTP;  
 CE certificated; UL, FCC, TUV, ETL, PSE, CCC qualified;

**描述和特性**

LED显示屏驱动电源系列，效率高达90%，PF值0.98以上；  
 超薄款厚度仅为26mm，条形款高度仅为32mm，外形精巧；  
 工作温度：-40°C ~ 80°C；  
 保护功能：OVP、OCP、SCP、OTP；  
 通过CE，符合UL、FCC、TUV、ETL、PSE、CCC多项认证。

**APPLICATION**

For LED super-thin display, rectangle display use

**应用**

LED超薄显示屏、条形显示屏



**PRODUCT FEATURES (产品特性)**

Part No. 产品编号	LBV200-5WTU	LBV200-5WHK	LBV300-5WHK
Input Voltage 输入电压	90 ~ 264Vac	90 ~ 264Vac	90 ~ 264Vac
Output Voltage 输出电压	4.6 ~ 5.5V	4.6 ~ 5.4V	4.6 ~ 5.4V
Output Current 输出电流	40A	40A	60A
Power Range 输出功率	200W	200W	300W
Efficiency 效率	≥90%	≥90%	≥90%
Power Factor 功率因数	≥0.98	≥0.98	≥0.98
Isolation Voltage 耐高压	3000V	3000V	3000V
Life Time 寿命	50000H	50000H	50000H
Reference Size 参考尺寸	221 x 60 x 32mm	200 x 115 x 26mm	212 x 115 x 26mm