



深圳市华浩德电子有限公司

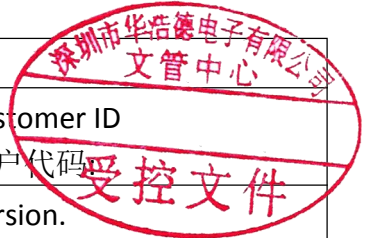
Shenzhen Fahold Electronics CO.,LTD.

地址：深圳市宝安区石岩街道石龙社区石环路4号星光工业园C栋二、四、五、六楼

Address: Floor 2,4,5, 6 Building C, Starlight Industrial Park, NO. 4, Shihuan Road, Shilong Community, Shiyuan Town, Bao'an District, Shenzhen, China.

Product Name: 产品名称	HR82W-02 系列 无频闪线条灯、三防灯驱动电源					
	HR82W-02-A2000	Input 120-277V	CE <input checked="" type="checkbox"/>	FCC <input checked="" type="checkbox"/>	UL <input checked="" type="checkbox"/>	
	HR82W-02-B2000	Input 120-347V	CE <input checked="" type="checkbox"/>	FCC <input checked="" type="checkbox"/>	UL <input checked="" type="checkbox"/>	
	HR82W-02-C2000	Input 120-277V (DALI)	CE <input checked="" type="checkbox"/>	FCC <input checked="" type="checkbox"/>	UL <input checked="" type="checkbox"/>	
Product Model: 产品型号	HR82W-02-D2000	Input 120-347V (DALI)	CE <input checked="" type="checkbox"/>	FCC <input checked="" type="checkbox"/>	UL <input checked="" type="checkbox"/>	
	HR82W-02-E2000	Input 120-277V (拔码)	CE <input checked="" type="checkbox"/>	FCC <input checked="" type="checkbox"/>	UL <input checked="" type="checkbox"/>	
	HR82W-02-F2000	Input 120-347V (拔码)	CE <input checked="" type="checkbox"/>	FCC <input checked="" type="checkbox"/>	UL <input checked="" type="checkbox"/>	

Customer/客户:		
Products code 产品代码:	Sample NO. 样品编码:	Customer ID 客户代码:
Customer Model No. 客户型号:	Fahold Model No. 我司型号:HR82W-02	Version. 版本: 04



SIGNATURE AND SEAL BY US / 我司签字盖章		
日期:	2019/12/3	
Prepared By 编制	Checked By 审核	Approved By 批准
覃小玲	陈昌霖	

Please confirm and send it back with signature within 7 days. Otherwise we will assume your acceptance. And if any quality dissent, will execute according to this product specification.
请确认后七日内回签，如不回签则视贵公司默认接受，在发生品质异常时按此份产品规格书执行。

CUSTOMER APPROVED SIGNATURE / 客户承认盖章

日期:		
ENG./工程	QA/品管	OTHER/其他

Comments 建议:



- Feature特征:** Constant current design. 恒流设计
- ◆3 in 1 dimming mode:0-10V,PWM,RX. 三合一调光
调光模式: 0-10v, PWM,RX
 - ◆Smoothly dimming(0-100%),can dim to off.
从0%-100%平滑调光, 且调光输出可关断
 - ◆TUV CE UL FCC Certified
 - ◆PROTECTION: Short Circuit, Open Circuit
保护: 短路保护, 开路保护
 - ◆Isolated dimming mode 输出调光隔离
 - ◆SELV safe output design SELV. 安全输出设计
 - ◆Auxiliary output 12V;可带12V辅助源。
 - ◆可提供12V/50MA辅助电源。

Application应用

- ◆ Lines lamp、Three prevent lamp.线条灯、三防灯

Introduction 介绍

The document detail the electrical, mechanical and environmental specifications of a 80W constant current LED driver with 0-10V Dimming. This LED drive power supply is suitable only for LED load.

此份资料详细描述了一款 80W 系列带 0-10V 调光的 LED 恒压驱动电源的电器性能, 环境要求等。此款电源只适用于 LED 负载。

Model and Key parameters 型号和关键参数

Model 型号	Output Power(W) 输出功率	Output Voltage (Vdc) 输出电压	Output current (mA) 输出电流	AC277V Efficiency(Typ.) 效率	AC120V Efficiency(Typ.) 效率
HR82W-02-A2000	80	27-54	1000-2000	88%	86%
HR82W-02-B2000	80	27-54	1000-2000	88%	86%
HR82W-02-C2000	80	27-54	1000-2000	88%	86%
HR82W-02-D2000	80	27-54	1000-2000	88%	86%
HR82W-02-E2000	80	27-54	1000-2000	88%	86%
HR82W-02-F2000	80	27-54	1000-2000	88%	86%

Note:

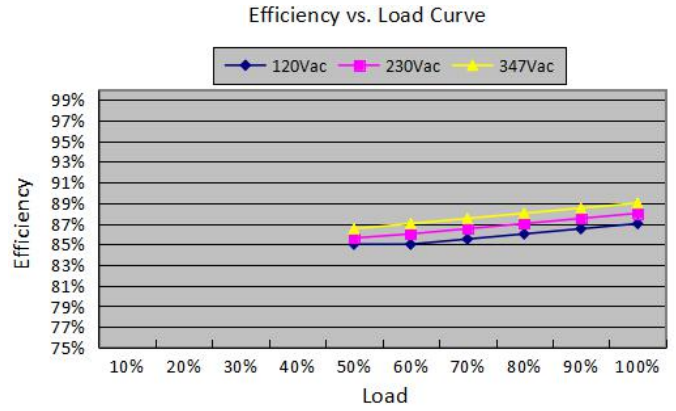
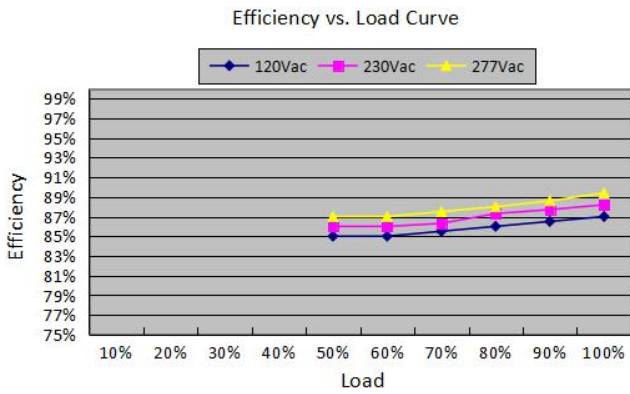
Model: HR82W-02-YXXXX Suffix “Y” can be A, B, C, D, E or F, A represent the input voltage is 120-277 and provided with 0-10V dimming function; B represent the input voltage is 120-347 and provided with 0-10V dimming, function; C represent the input voltage is 120-347; D represent the input voltage is 120-277; E represent the input voltage is 120-277, provided with 0-10V dimming function and dip switch; F represent the input voltage is 120-347, provided with 0-10V dimming function and dip switch. XXXX is 4 digit number which represents the output current in milliamper, in a step of 1 mA, for example, “1050” means 1050 mA.

型号: HR82W-02-YXXXX, Y 为系列代码, 可变为 A, B, C, D, E, F. XXXX 代表输出电流变量。A:代表输入 120-277V 和 0-10V 调光; B 代表输入 120-347V 和 0-10V 调光; C:代表输入 120-277V DALI 调光; D 代表输入 120-347V DALI 调光; E:代表输入 120-277V 和 0-10V 调光加拔码; F:代表输入 120-347V 和 0-10V 调光加拔码。

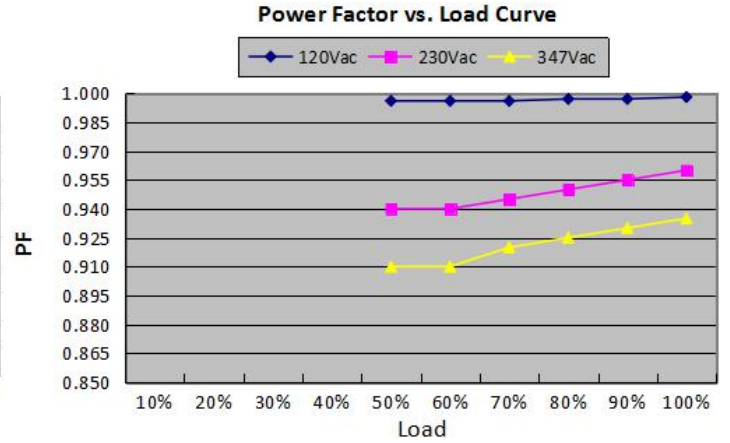
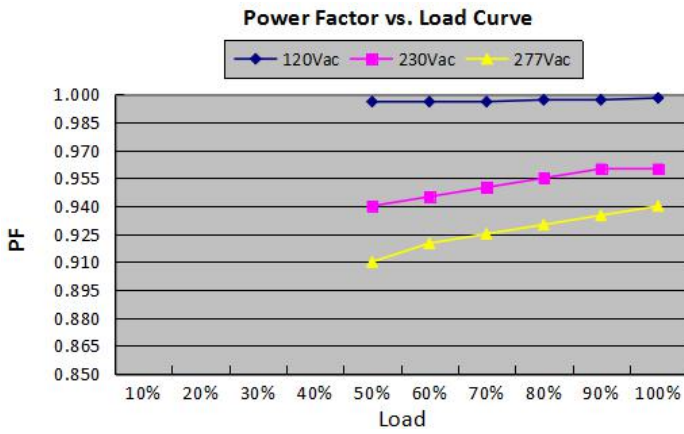
Technical data 技术参数

Input characteristics 输入特性	
Input Voltage 输入电压	120-277Vac or 120-347
Input Frequency 输入频率	47-63Hz
Input Current (Typ.)输入电流 (典型值)	1000mAmax. @ 120-347Vac, 100% load
Surge Current 浪涌电流	60Amax. @ 230Vac, 25°C
Power factor (Typ.) 功率因数 (典型值)	PF>0.9@115VAC/230VAC/277VAC/347VAC, 100% load
THD 总谐波失真	THD<20% @115VAC/230VAC/277VAC/347VAC, 100% load
Output characteristics 输出特性	
Voltage accuracy 电压精度	5%
No load Voltage 空载功耗	2Wmax
Efficiency 效率	88%@ 120-277Vac & 100% load, see efficiency vs. load curve for the details
Ripple and Noise 纹波与噪声	500mVp-p
Line Regulation 线性调整率	3%lo
Load Regulation 负载调整率	3%lo
Turn On Delay Time 开机延时	Under normal conditions, the maximum delay time is 1 second
Protection functions 保护功能	
Open circuit 开路保护	When the LED disconnection the product is protected such as hiccup or when it is at the highest point of output voltage, the power supply shall be self-recovery when the fault condition is removed.当 LED 开路时, 产品进入保护状态, 如打嗝或钳在某输出最高电压状态, 产品不会损伤, 当故障排除或重新开机时, 电源恢复工作正常。
Short Circuit 短路保护	The input power shall decrease when the output rail short, the power supply shall be self-recovery when the fault condition is removed.当输出短路时输入功率会相应减小, 短路情况解除后, 电源自动恢复正常。
Environmental conditions 环境条件	
Operating Temperature 工作温度	-20°C to +50°C
Operating Relative Humidity 湿度	10% to 90% RH, non-condensing
Storage Temperature 储存温度	-30°C to +70°C
Storage Relative Humidity 储存湿度	10% to 90%RH, non-condensing (Sea level to 2,000 m)
Vibration 振动	10 to 500HZ Sweep at constant acceleration of 1.0G (depth: 3.5mm) for 1 Hour for each of the perpendicular axes X, Y, Z.

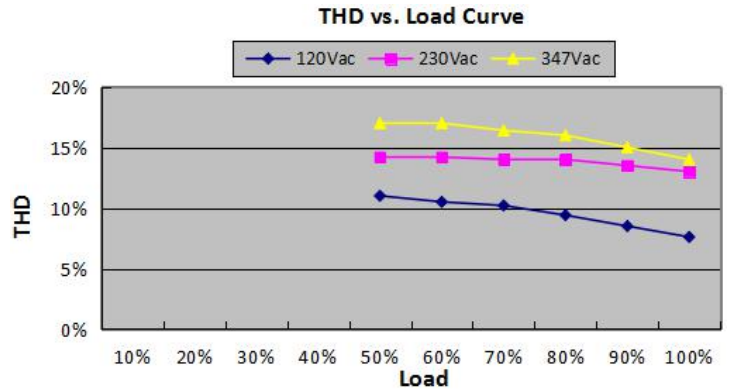
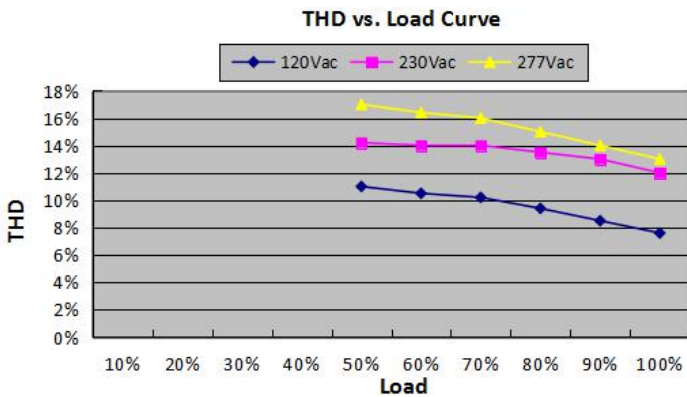
Efficiency vs. Load 效率负载



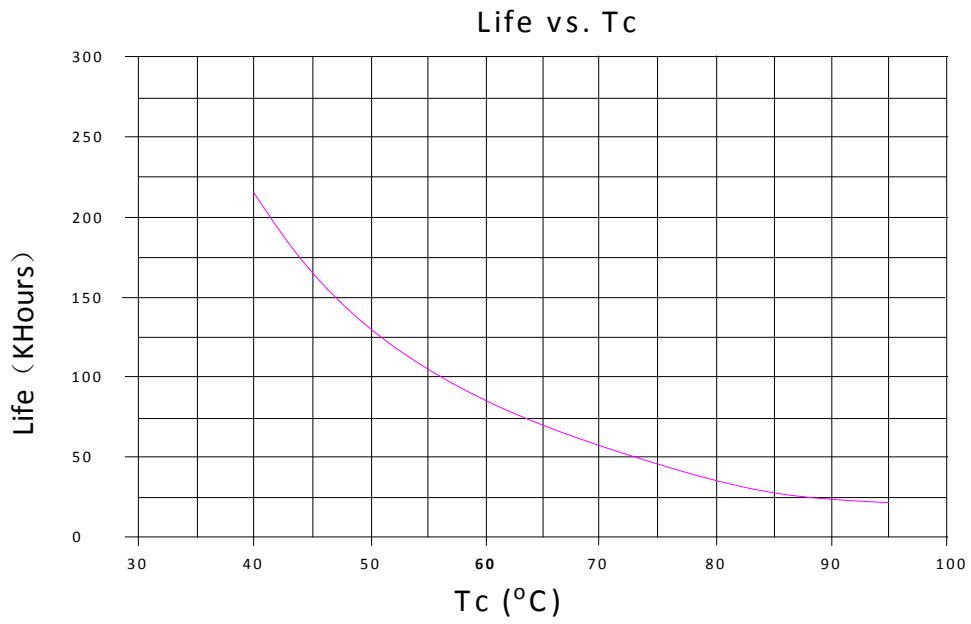
Power Factor 功率因素



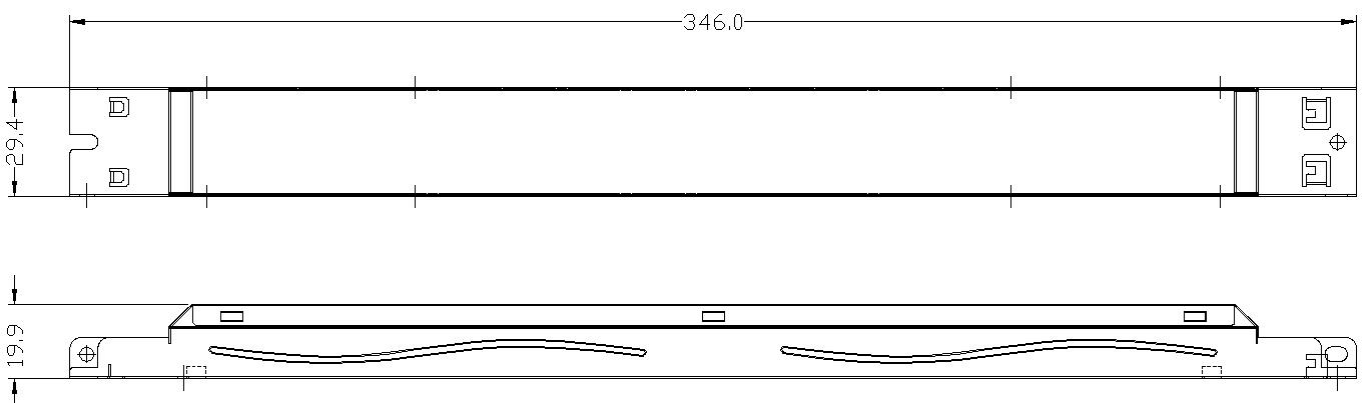
THD vs. Load THD 和负载



■ Life vs. Tc 寿命和温度



■ Dimensional Drawing (unit: mm) 尺寸图



■ LABEL 标签

HR82W-02A

Fahold DIMMABLE LED DRIVER
Model: HR82W-02-A2000

Input Voltage	Input Current	PF	Output Voltage	Output Current			ta°C
120-277V~50/60Hz	1A	≥0.9	27-54V (Max.80W)	<input type="checkbox"/> 1400mA <input type="checkbox"/> 1600mA <input type="checkbox"/> 1800mA	<input type="checkbox"/> 1450mA <input type="checkbox"/> 1700mA <input type="checkbox"/> 1950mA	<input type="checkbox"/> 1500mA <input type="checkbox"/> 1750mA <input type="checkbox"/> 2000mA	-20~50°C

Shenzhen Fahold Electronics Co.,Ltd. Rated for at Least 90°C (194°F) MADE IN CHINA

•tc:90°C

UL E479229 FC CE SELV

Short circuit protection For LED modules use only

Wire preparation push in IN:22-16AWG OUT:22-16AWG

Output DIM+ DIM- LED+ LED-

7.8mm

CASE MUST BE GROUNDED Risk of Fire or Electric Shock

HR82W-02B

Fahold DIMMABLE LED DRIVER
Model: HR82W-02-B2000

Input Voltage	Input Current	PF	Output Voltage	Output Current			ta°C
120-347V~50/60Hz	1A	≥0.9	27-54V (Max.80W)	<input type="checkbox"/> 1400mA <input type="checkbox"/> 1600mA <input type="checkbox"/> 1800mA	<input type="checkbox"/> 1450mA <input type="checkbox"/> 1700mA <input type="checkbox"/> 1950mA	<input type="checkbox"/> 1500mA <input type="checkbox"/> 1750mA <input type="checkbox"/> 2000mA	-20~50°C

Shenzhen Fahold Electronics Co.,Ltd. Rated for at Least 90°C (194°F) MADE IN CHINA

•tc:90°C

UL E479229 FC CE SELV

Short circuit protection For LED modules use only

Wire preparation push in IN:22-16AWG OUT:22-16AWG

Output DIM+ DIM- LED+ LED-

7.8mm

CASE MUST BE GROUNDED Risk of Fire or Electric Shock

HR82W-02C

HR82W-02D

HR82W-02E

Fahold DIMMABLE LED DRIVER
Model: HR82W-02-E2000

Input Voltage:120-277V~50/60Hz
Input Current:1.0A Max λ0.9
Output Voltage:27-54V 1. 5-2.0A (Max. 80W)
ta:-20~50°C

Output Current	1	2	3
1500mA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1600mA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1800mA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1850mA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2000mA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Shenzhen Fahold Electronics Co.,Ltd. MADE IN CHINA Rated for at Least 90°C (194°F)

•tc:90°C

UL E479229 FC CE SELV

Short circuit protection For LED modules use only

Wire preparation push in IN:22-16AWG OUT:22-16AWG

Output DIM+ DIM- LED+ LED-

7.8mm

CASE MUST BE GROUNDED Risk of Fire or Electric Shock

HR82W-02F

Fahold DIMMABLE LED DRIVER
Model: HR82W-02-F2000

Input Voltage:120-347V~50/60Hz
Input Current:1.0A Max λ0.9
Output Voltage:27-54V 1. 5-2.0A (Max. 80W)
ta:-20~50°C

Output Current	1	2	3
1500mA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1600mA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1800mA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1850mA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2000mA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Shenzhen Fahold Electronics Co.,Ltd. MADE IN CHINA Rated for at Least 90°C (194°F)

•tc:90°C

UL E479229 FC CE SELV

Short circuit protection For LED modules use only

Wire preparation push in IN:22-16AWG OUT:22-16AWG

Output DIM+ DIM- LED+ LED-

7.8mm

CASE MUST BE GROUNDED Risk of Fire or Electric Shock

备注：标签根据订单电流勾选

包装，运输，贮存 Package,Transportation & Storage

1.包装 Package

a.包装箱的外形尺寸为（单位：mm):长 X 宽 X 高=390*360*165mm;

package box outside dimension: LxWxH =,390*360*165mm (unit: mm);

b.每箱产品的包装数量为 台;

product number in each box: PCS;

c.整箱毛重 KG

whole box gross weight: kg;

2.运输 Transportation

适用于车，船，飞机运输，运输中应遮蓬，防晒，文明装卸。

Packaging is designed suitable for transportation by truck, ship, and plane. The products should be shielded from sunshine, and loaded and unloaded carefully.

3.贮存 Storage

产品贮存应符合 GB3873-83 的规定。

贮存期限超过一年的产品要重新检验，合格后方可使用。

