

LD100-2H48V(107202580202)

Product Feature

- Aluminium Casing
- Ultra-low start up temp -30°C
- Ultra-light and easy to install
- High efficiency up to 86%
- High reliability
- Wide input Voltage 180~264Vac



CE RoHS



Application



Light box



LED Strip Light



LED Tube



Astigmatism Source

Technical Parameters

Model	LD100-2H48V	
Input	Efficiency	86%@220VAC, Full load
	Typical Input Voltage	200-240VAC
	Maximum Input Voltage Range	180 ~ 264Vac
	Frequency	50Hz
	Current	≤ 1.2A @ 230Vac
	Inrush Current	Less than 65A/230Vac, cold start
	Leakage Current	<0.75mA/240Vac
Output	Current	0 ~ 2.08A
	Voltage	48VDC
	Power	100W
	Ripple & noise	400mVp-p
	Output Voltage range	45.6 ~ 50.4V
	Channel	2
	Line Regulation	1%
	Load Regulation	2%
	Voltage Tolerance	±5%
	Turn On Delay Time	1.5S, 20mS@230Vac
Protection	Short Circuit	Protection Type : Hiccup mode, Auto-recovery
	Over Load	110% ~ 150% of rated load.
Safety	Withstand Voltage	Input-FG: 1500Vac or 2121Vdc, Input-Output: 1500Vac or 2121Vdc, Output-FG: 500Vac or 707Vdc
	Isolation Resistance	Input-FG: >100MΩ 500Vdc @25°C & 70RH; I/P-O/P: >100MΩ 500Vdc @25°C & 70RH; O/P-FG: >100MΩ 500Vdc @25°C & 70RH
Others	Working Temp.	-30~+60°C, 20~90%
	Storage Temp.; Humidity	-30°C~+70°C, 20%-95%RH
	Material	Metal
	IP Rating	IP20
	Lifetime	30,000h@tc:65°C
	Warranty Condition	3 Years
	Switch Cycle	>15,000 times
	Packing Size	Net weight: 210g±5%/PCS; 50PCS/Carton; 12.1kg±5%/Carton; Carton Size: 260*205*305mm(L*W*H)
	Dimension	187*53*22mm(L*W*H)

Dimension(mm)

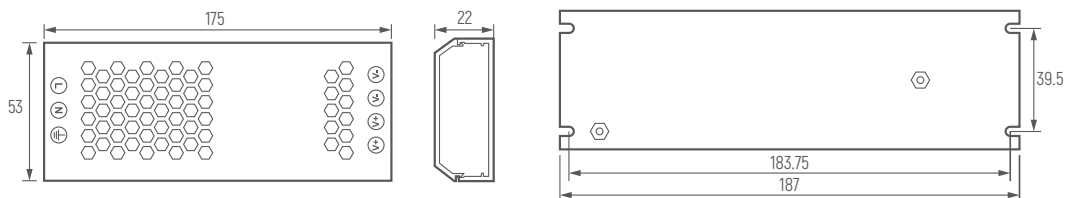
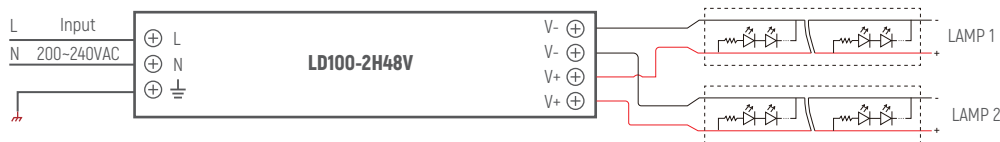
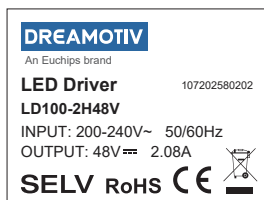


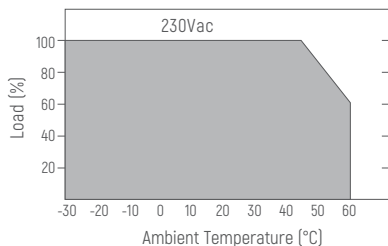
Diagram Wiring



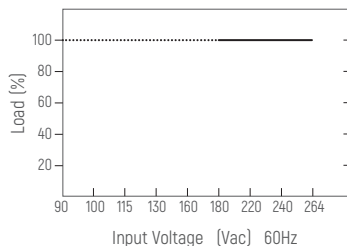
Nameplate



Derating Curve



Static characteristic curve



Cautions

1. This product should be debugged and installed by professionally qualified personnel.
2. This product not waterproof, avoid be exposed to the sun and rain. If installed outdoors, use a waterproof case.
3. Excellent dissipation of heat condition will prolong the product lifetime, please install the product in a well ventilated environment.
4. Please check the output voltage and current of the LED power supply, whether meet product requirement.
5. Use the diameter of wire must be able to load connected LED lamps, and ensure the connection is firm, avoid wires overheat or poor connect caused accident.
6. Before debugging, ensure all wires are corrected connection, avoid lamp damage caused by wiring errors.
- 7 Installed on metal surface, power supply needs strict grounding, prevent leakage and shock.
- 8 If happen break down, Please don t self-repairing; if have question, please contact the supplier.

※ The contents of this manual are updated without prior notice. If the function of the product you are using is inconsistent with the instructions, the function of the product shall prevail. Please contact us if you have any questions.

LD100-2H48V(107202580202)

产品特点

- (铝外壳)
- 超低温启动(-30℃)
- 易安装
- 效率达到86%
- 高可靠性
- 宽电压180~264VAC



CE RoHS



应用



灯箱



LED灯带



LED硬灯条

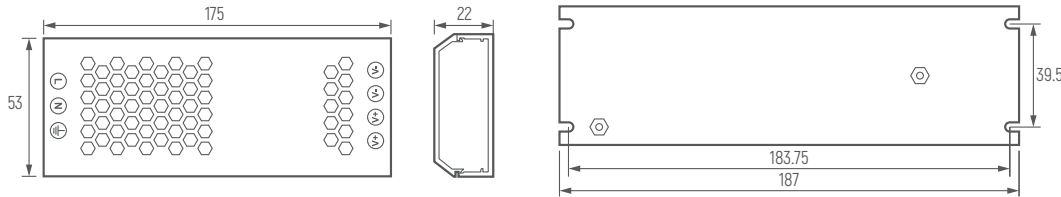


漫反射光源

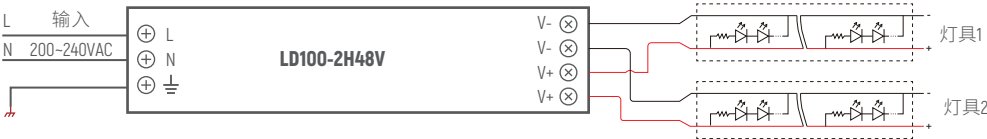
技术参数

型号	LD100-2H48V	
输入	效率	86%
	典型输入电压	200-240VAC
	最大输入电压范围	180-264Vac
	频率	50Hz
	最大输入电流	≤ 1.2A @ 230Vac
	浪涌电流	冷启动，小于65A/230Vac
	漏电流	<0.75mA/240Vac
输出	电流	0~2.08A
	电压	48VDC
	功率	100W
	纹波和噪声	400mVp-p
	输出电压调整范围	45.6~50.4V
	通道	2
	电源调整率	1%
	负载调整率	2%
	电压精度	±5%
	开机及爬升时间	1.5S，20mS@230Vac
保护	短路	保护模式：打嗝模式，异常条件移除后自动恢复
	过载	过载保护范围为额定输出功率的110~150%
安全	耐压测试	Input-FG: 1500Vac or 2121Vdc, Input-Output: 1500Vac or 2121Vdc, Output-FG: 500Vac or 707Vdc
	绝缘测试	Input-FG: >100MΩ 500Vdc @25℃ &70RH; I/P-O/P: >100MΩ 500Vdc @25℃ &70RH; O/P-FG: >100MΩ 500Vdc @25℃ &70RH
其它	工作温度	-30~+60℃, 20~90%
	储存温度、湿度	-30℃~+70℃, 20%-95%RH 无冷凝
	材质	金属
	防水等级	IP20
	寿命	30,000h@tc:65℃
	质保	3年
	开关周期	>15,000次
	包装重量	净重: 210g±5%/个; 50个/箱; 12.1kg±5%/箱; 外箱尺寸: 260*205*305mm[长*宽*高]
	产品尺寸	187*53*22mm[长*宽*高]

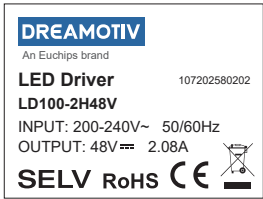
产品尺寸(mm)



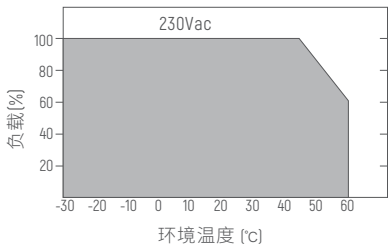
应用接线图



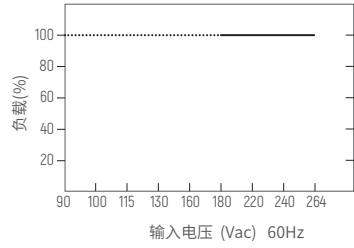
铭牌



降额曲线



静态特性曲线



注意事项

1. 本产品请由具有专业资格的人员进行调试安装。
2. 本产品不能防水，需避免日晒雨淋，如安装在户外，请用防水箱。
3. 良好的散热条件会延长产品的使用寿命，请把产品安装在通风良好的环境。
4. 请检查使用的LED电源输出电压电流，是否符合产品要求。
5. 使用的电线直径大小必须能够负载连接的LED灯具，并确保接线牢固，以免电线过热或接触不良触发事故。
6. 通电调试前，应确保所有接线正确，以避免因接线错误而导致灯具损坏。
7. 安装在金属表面，电源应严格可靠接地，以防漏电触电。
8. 如果发生故障，请勿私自维修；如果有疑问，请联系供应商。

※ 本说明书内容如有更新，恕不另行通知。若您使用的产品功能与说明书不一致时，请以产品为准。如有疑问请与我们联系。