

MT-100-800-D1N1

LTECH

Non-dimmable Constant Current Driver

Special for magnetic & linear lamp



- No input polarity
- Multiple output current settings
- DC to DC constant current output
- Suitable for STUCCHI standard housings
- Magnetic installation is quiet without high-frequency sound
- Smooth dimming curves without flicker
- Overload, no-load and anti-reverse protection
- 5 year warranty

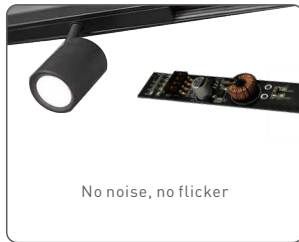
Flicker-free
IEEE 1789

5-Year
Warranty

CE

FC

RoHS



No noise, no flicker



Suitable for STUCCHI standard housings
- 9519-166-K
- B 9519-166-K/W



Installation guide

Technical Specs

MODEL		MT-100-800-D1N1
OUTPUT	Output Voltage	9-46Vdc
	Output Voltage Range	12-48Vdc
	Output Current Range	100-800mA
	Output Power	0.9W-36.8W
	Channel	1
INPUT	Input Voltage	48Vdc±5% (No polarity)
	Input Current	0.74A
	Efficiency (Typ)	94%
	Standby Power	<0.5W
ENVIRONMENT	Working Temperature	ta: -30~60°C tc: 87°C
	Storage Temperature	-40~80°C
	Working Humidity	20~95%RH, non-condensing
PROTECTION	Overload Protection	When it exceeds the output voltage, the current will drop and automatically recover after reducing load.
	Anti -reverse Protection	Prevent driver and load damage.
OTHERS	Dimensions	L125×W14×H10mm
	Weight (G.W.)	15g±2g

Output Current Selection

* Please select the current through DIP switches on the circuit board when the power is off.

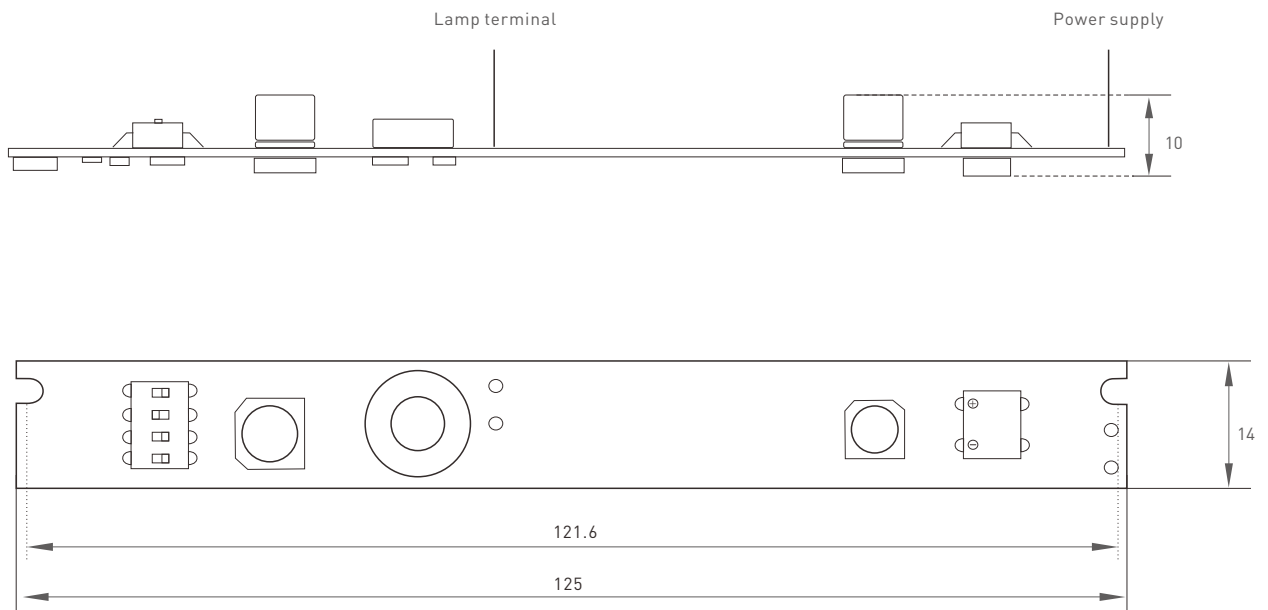


DIP switches quickly select current value from 100mA to 800mA.

DIP Switch								—	 ON OFF
Output Current	100mA	150mA	200mA	250mA	300mA	350mA	400mA	—	
Output Voltage	9-46V	9-46V	9-46V	9-46V	9-46V	9-46V	9-46V	—	
Output Power	0.9-4.6W	1.35-6.9W	1.8-9.2W	2.25-11.5W	2.7-13.8W	3.15-16.1W	3.6-16.8W	—	
DIP Switch									 ON OFF
Output Current	450mA	500mA	550mA	600mA	650mA	700mA	750mA	800mA	
Output Voltage	9-46V	9-46V	9-46V	9-46V	9-46V	9-46V	9-46V	9-46V	
Output Power	4.05-20.7W	4.5-23W	4.95-25.3W	5.4-27.6W	5.85-29.9W	6.3-32.2W	6.75-31.5W	7.2-36.8W	

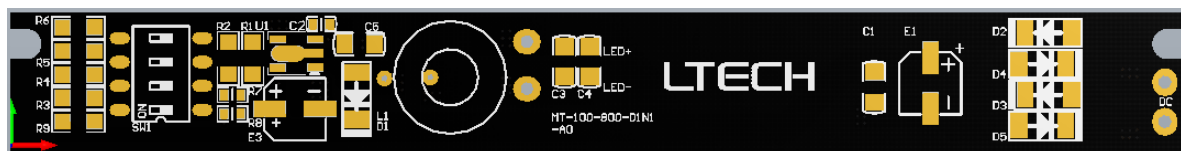
Dimensions

Unit:mm

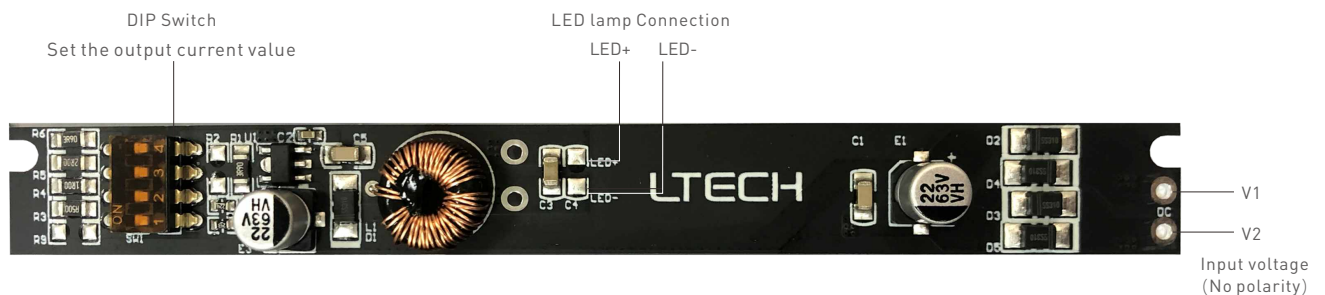


Terminal Description

PCB board



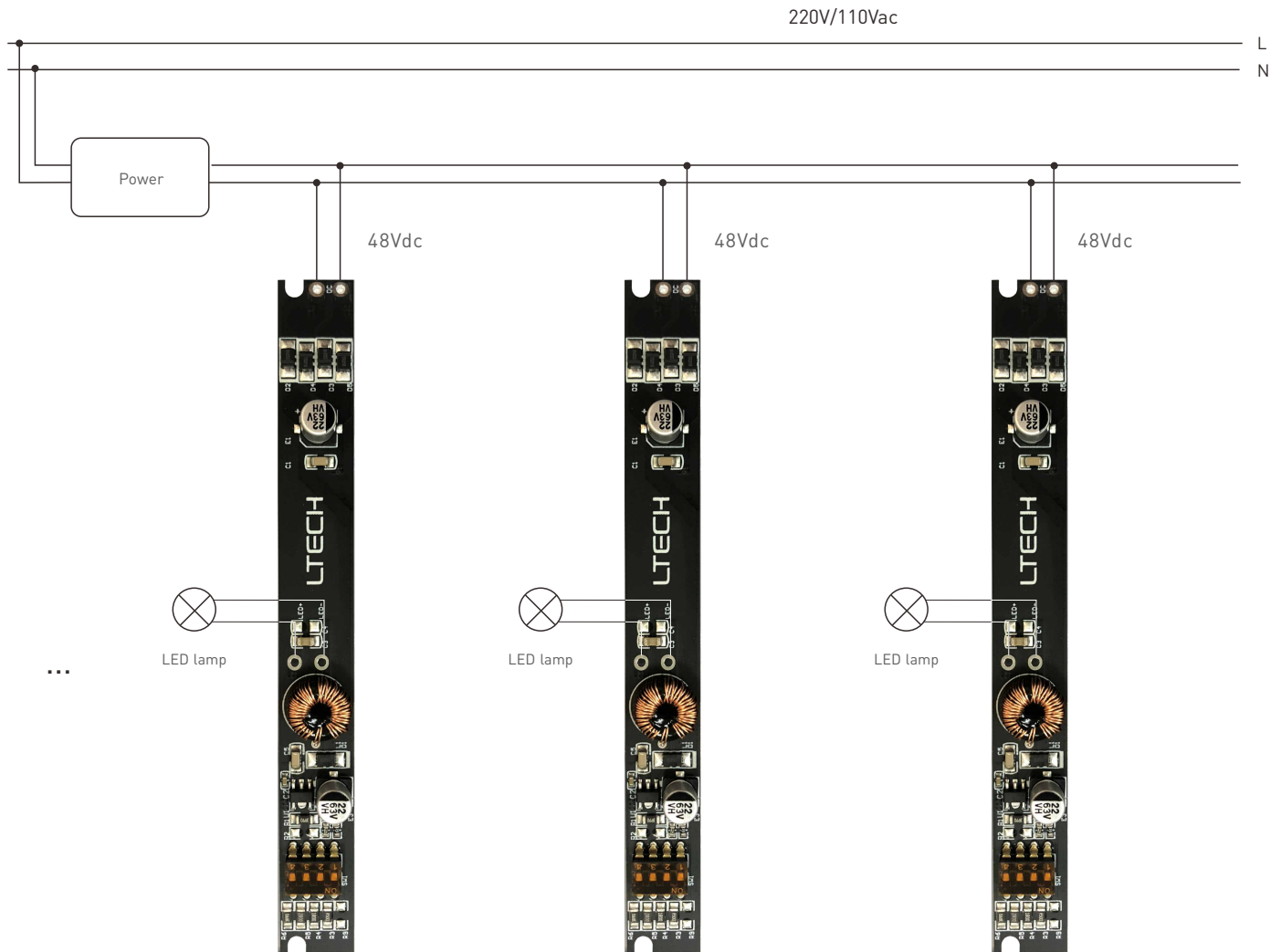
Main view



Side view



Wiring Diagram



Attentions

- Products shall be installed by qualified professionals.
- LTECH products are non-waterproof (special models excepted). Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- Good heat dissipation will extend the working life of products. Please ensure good ventilation.
- Please check if the working voltage used complies with the parameter requirements of products.
- The diameter of wire used must be able to load the light fixtures you connect and ensure the firm wiring.
- Before you power on products, please make sure all the wiring is correct in case of incorrect connection that causes damage to light fixtures.
- If a fault occurs, please do not attempt to fix products by yourself. If you have any question, please contact your suppliers.

* This manual is subject to changes without further notice. Product functions depend on the goods. Please feel free to contact our official distributors if you have any question.

Warranty Agreement

- Warranty periods from the date of delivery : 5 years.
- Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:

- Beyond warranty periods.
- Any artificial damage caused by high voltage, overload, or improper operations.
- Products with severe physical damage.
- Damage caused by natural disasters and force majeure.
- Warranty labels and barcodes have been damaged.
- No any contract signed by LTECH.

1. Repair or replacement provided is the only remedy for customers. LTECH is not liable for any incidental or consequential damage unless it is within the law.
2. LTECH has the right to amend or adjust the terms of this warranty, and release in written form shall prevail.

Update Log

Version	Updated Time	Update Content	Updated by
A0	2021.06.10	Original version	Xu Shujun
A1	2021.09.08	Deleted the description of "Current Accuracy" on P1 .Deleted the description of "The Output Current Accuracy of DIP Switches" on P1.	Xu Shujun
A2	2022.01.20	Added "Output Voltage" to P1 .	Xu Shujun
A3	2022.06.01	Added "tc: 87 °C" to P1.	Xu Shujun

非调光恒流驱动器

磁吸灯/线条灯专用

- 输入不分正负极
- 多档输出电流设置
- DC to DC恒流输出
- 适用于STUCCHI标准外壳
- 磁吸安装应用安静无高频干扰声
- 过载、防反接保护
- 输入输出电压差小于2v可正常工作
- 5年质保



Flicker-free

IEEE 1789

5年质保

FC

CE

RoHS



无噪音，无频闪



适用于STUCCHI标准外壳
- 9519-166-K
- B 9519-166-K/W



安装分解图

技术参数

型号		MT-100-800-D1N1
输出	工作电压	9-46Vdc
	工作电压范围	12-48Vdc
	工作电流范围	100-800mA
	负载功率范围	0.9W-36.8W
	通道	1
输入	输入电压	48Vdc±5% (输入不分正负)
	输入电流	0.74A
	效率 (Typ)	94%
	待机功耗	<0.5W
环境	工作温度	ta: -30~55°C tc: 87°C
	储存温度	-40~80°C
	工作湿度	20~95%RH, 无冷凝
保护	过载保护	超出输出电压时，输出电流下降，减轻负载自动恢复
	防反接保护	防止驱动及负载损坏
其他	产品尺寸	L125×W14×H10mm
	产品重量	15g±2g

输出电流选择

注：请在断电情况下，通过在电路板上的DIP开关选择电流。

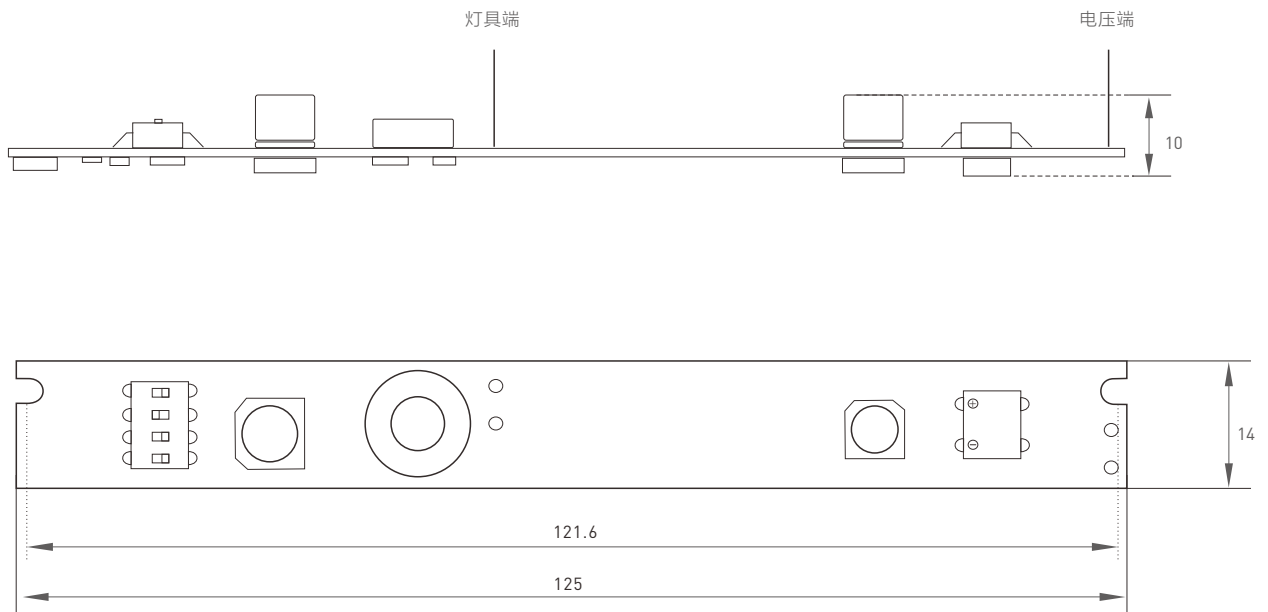


DIP开关快速选择 15 档电流值

DIP开关									—	 ON OFF
电流输出	100mA	150mA	200mA	250mA	300mA	350mA	400mA	—	—	
电压输出	9-46V	9-46V	9-46V	9-46V	9-46V	9-46V	9-46V	—	—	
功率输出	0.9-4.6W	1.35-6.9W	1.8-9.2W	2.25-11.5W	2.7-13.8W	3.15-16.1W	3.6-16.8W	—	—	
DIP开关									—	 ON OFF
电流输出	450mA	500mA	550mA	600mA	650mA	700mA	750mA	800mA	—	
电压输出	9-46V	9-46V	9-46V	9-46V	9-46V	9-46V	9-46V	9-46V	—	
功率输出	4.05-20.7W	4.5-23W	4.95-25.3W	5.4-27.6W	5.85-29.9W	6.3-32.2W	6.75-31.5W	7.2-36.8W	—	

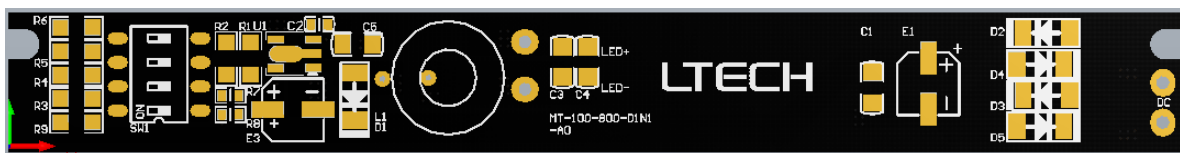
产品尺寸

单位: mm

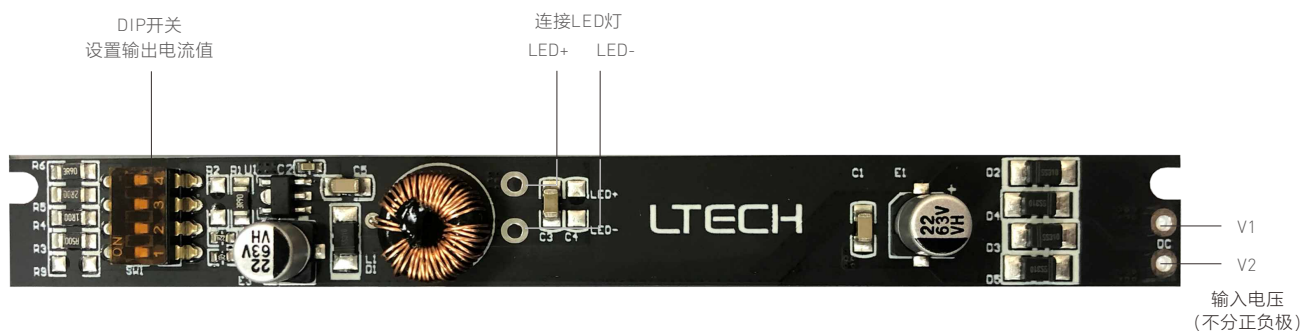


端子描述

PCB板



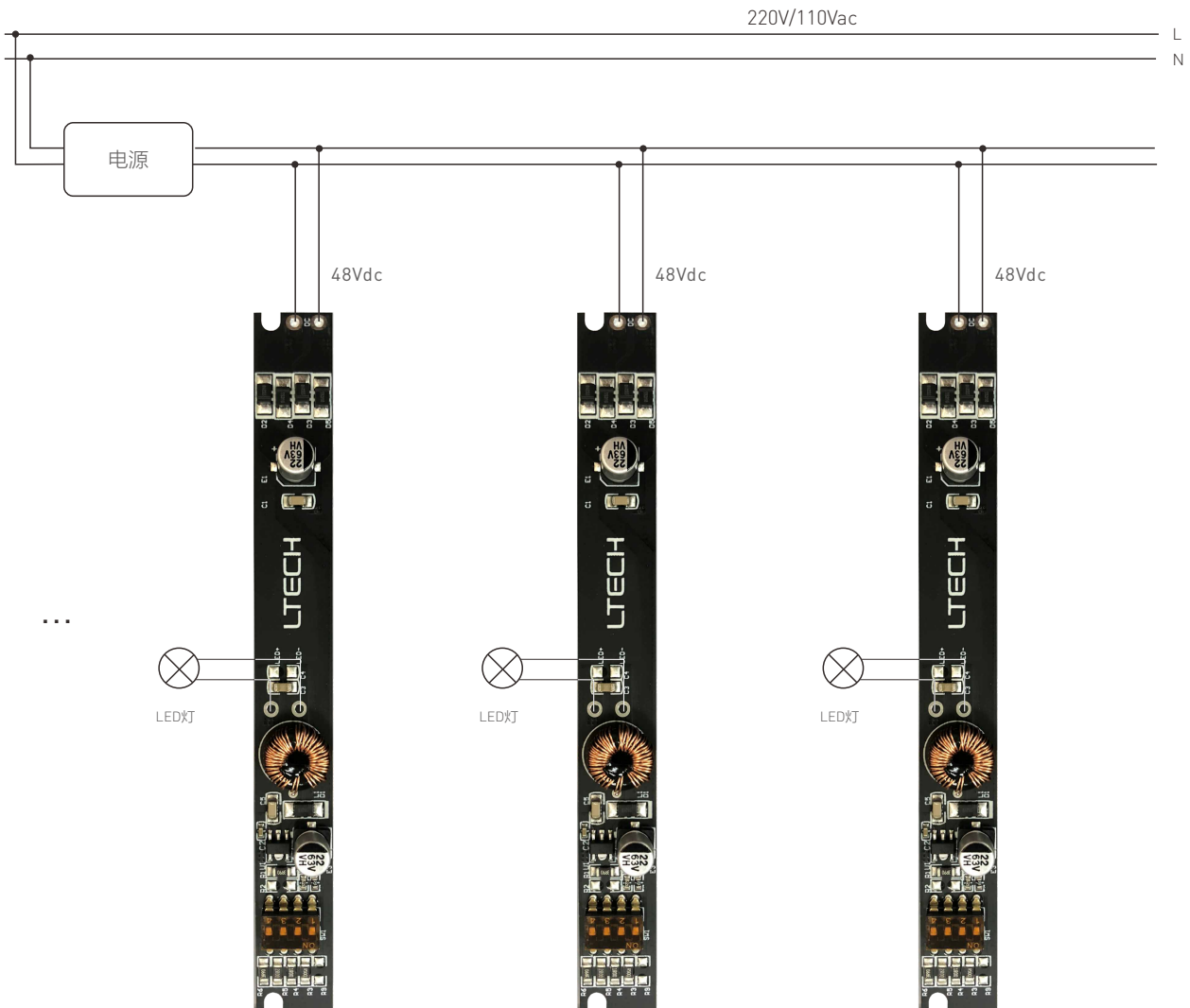
主视图



侧视图



连线示意图



注意事项

- 请由具有专业资格的人员进行调试安装。
- 雷特产品（专有型号除外）不能防水，需避免日晒雨淋，如安装在户外，请用防水箱。
- 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。
- 请检查使用的工作电压是否符合产品的参数要求。
- 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。
- 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。
- 如果发生故障，请勿私自维修；如有疑问，请联系供应商。

* 本说明书的内容如有变更，恕不另行通知。若内容与您使用的功能有所不同，则以实物为准。如有疑问，请与供应商联系。

保修条例

- 自出厂之日起保修服务期为5年。
- 在保修服务期内出现产品质量问题雷特将给予免费修理或更换服务。

非保修条例：

属下列情况不在免费保修或更换服务范围之内：

- 已经超出保修服务期；
- 过高电压、超负载、操作不当等人为造成的损坏；
- 产品外形严重损坏或变形；
- 自然灾害以及人力不可抗拒原因造成的损坏；
- 产品保修标签和产品唯一条形码损坏；
- 无雷特签订的合同或发票凭证。

1. 修理或更换是雷特对客户的最唯一补救措施。雷特不承担任何附带引起的损害赔偿，除非在适用法律范围之内。
2. 雷特享有修正或调整本保修条款的权利，并以书面形式发布为准。

更新日志

版本	更改日期	更改内容	更改人
A0	2021.06.10	正稿	许淑钧
A1	2021.09.08	删除P1处电流精度的描述；删除P1处DIP开关输出电流的描述	许淑钧
A2	2022.01.21	P1处添加工作电压范围	许淑钧
A3	2022.06.01	P1处添加tc点	许淑钧