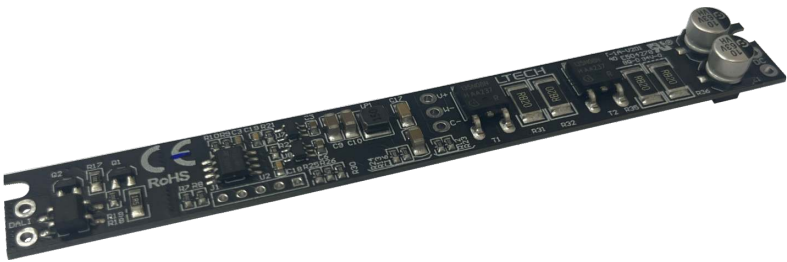


DALI Constant Voltage Driver

Special for magnetic & linear lamp

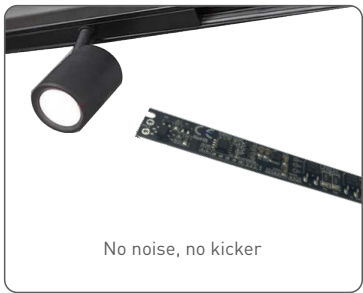
- No input polarity.
- DC to DC constant current output.
- DALI 2.0 protocol.
- Ultra-small size , suitable for STUCCHI standard housings.
- Magnetic installation is quiet without high-frequency sound.
- Smooth dimming curves without kicker.
- Short circuit, overload and anti-reverse protection.



Flicker-free
IEEE 1789



RoHS

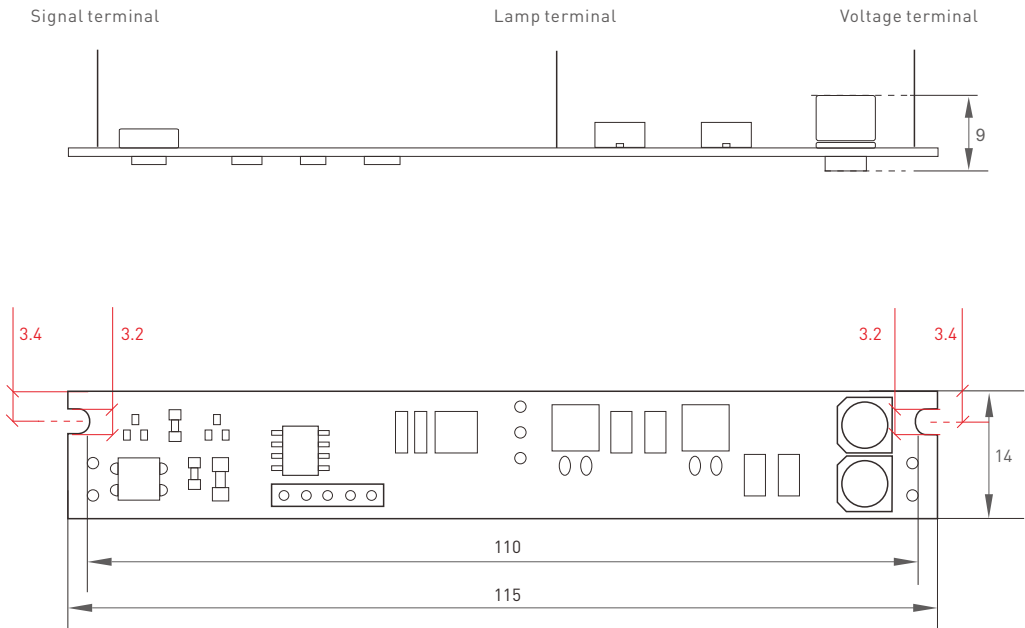


Technical Specs

MODEL		MT-1A-V2D1
OUTPUT	Output Voltage	12-48Vdc
	Output Current	Max.1A
	Output Power	12W-48W
	Channel	0-100%, down to 0.1%
	Channel	2
INPUT	Dimming Interface	DALI-2
	Input Voltage	12-48Vdc±5% (No polarity)
	Input Voltage	≤1.1A
	Efficiency(Typ)	≥90%
	Efficiency(Typ)	≤0.5W
ENVIRONMENT	Working Temperature	ta: -30~55°C tc: 87°C
	Working Humidity	20~95%RH, non-condensing
	Storage Temperature	-40~80°C, 10~95%RH
PROTECTION	Overload Protection	The load current is out of range,the current drops until the power is turned on again.
	Short Circuit Protection	Close output and automatically recover once the fault is removed.
	No-load Protection	The product does not be damaged.
	Hot Plug	Support electric plug plug.
	Input Anti -reverse Protection	No input polarity , able to output normally.
OTHERS	Dimensions	115×14×9mm (L×W×H)
	Weight(G.W.)	8g±2g
	Carton Size	370×290×190mm (L×W×H) ,240pcs/ctn 1.92kg±5%ctn

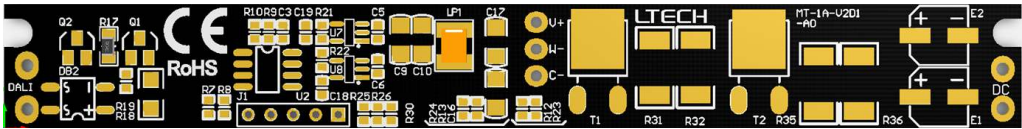
Dimensions

Unit:mm

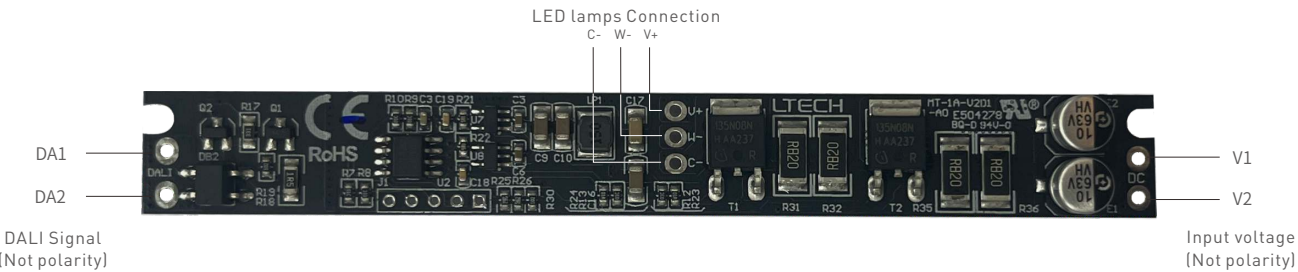


Terminal description

PCB board



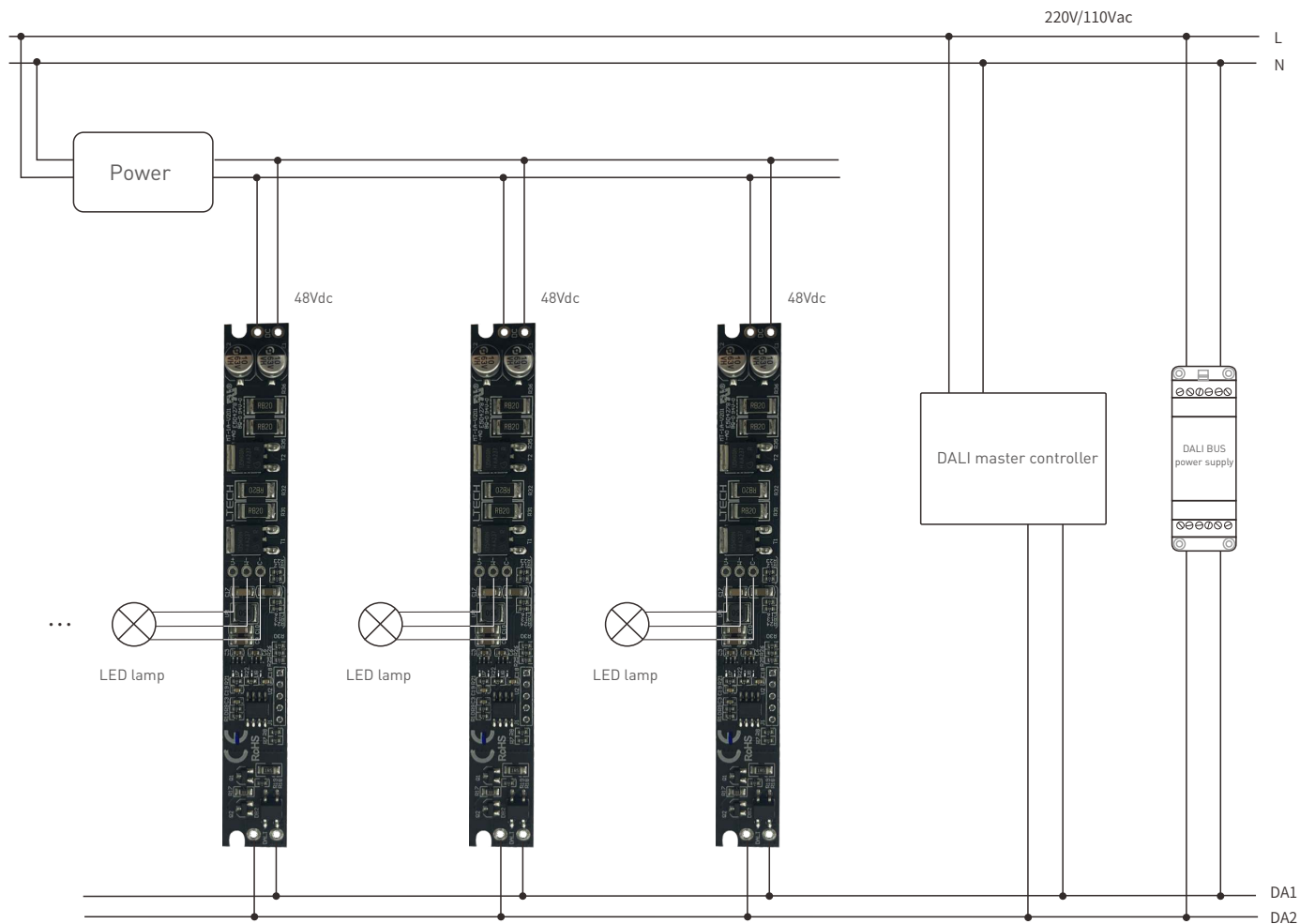
Main view



Side view



Wiring Diagram



Attentions

- Products shall be installed by qualified professionals.
- LTECH products are and not lightningproof non-waterproof (special models excepted). Please avoid the sun and rain. When installed outdoors, please ensure they are mounted in a water proof enclosure or in an area equipped with lightning protection device
- 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.

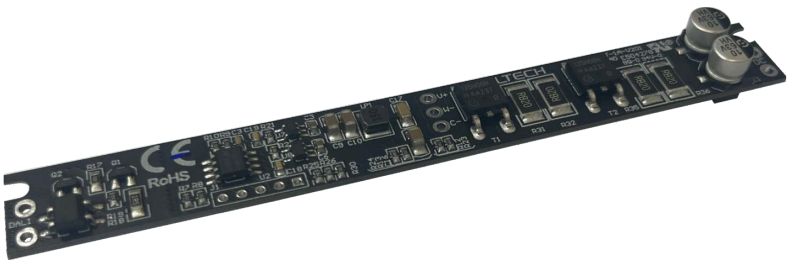
Update Log

Version	Updated Time	Update Content	Updated by
A0	2023.10.20	Original version.	Yang Weiling

DALI恒压驱动器

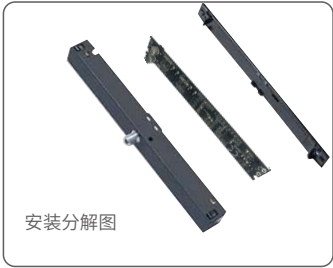
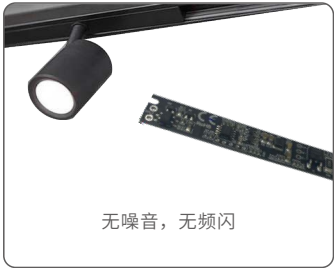
磁吸灯/线条灯专用

- 输入不分正负极
- DC to DC恒压输出
- DALI-2 标准协议
- 超小体积设计, 适用于STUCCHI标准外壳
- 磁吸安装应用安静无高频干扰声
- 调光曲线平滑、无闪烁
- 短路, 过载、防反接保护



调光调色温

Flicker-free
IEEE 1789

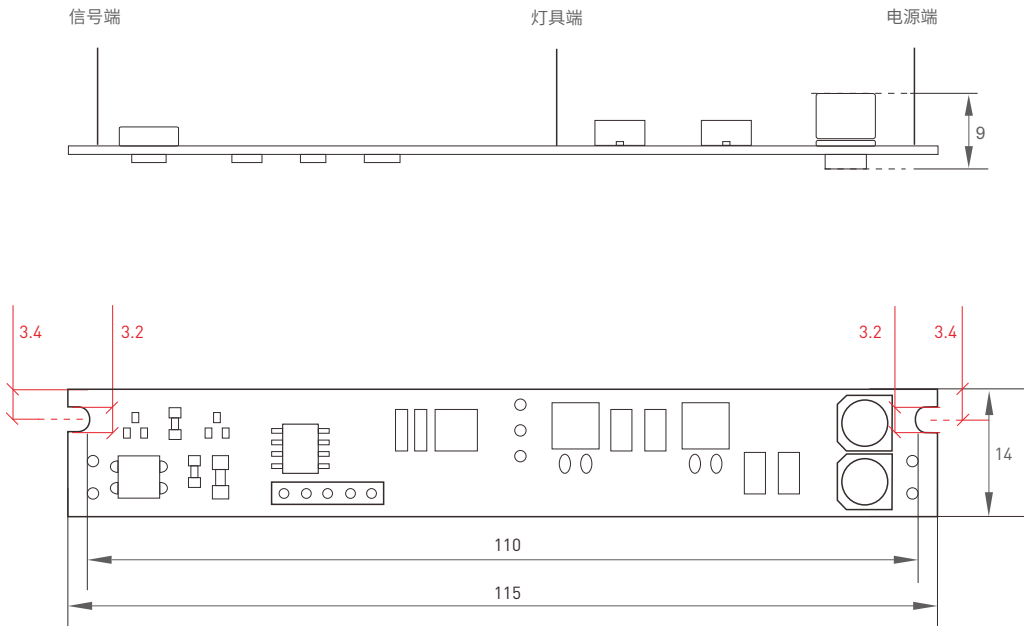


技术参数

型号		MT-1A-V2D1
输出	输出电压	12-48Vdc
	工作电流	Max.1A
	负载功率范围	12W-48W
	调光范围	0-100%, 调光深度0.1%
	通道	2
输入	调光接口	DALI-2
	输入电压	12-48Vdc±5% (输入不分正负)
	输入电流	≤1.1A
	效率 (Typ)	≥90%
	待机功耗	≤0.5W
环境	工作温度	ta: -30~55℃ tc: 87℃
	工作湿度	20~95%RH, 无冷凝
	储存温度,湿度	-40~80℃, 10~95%RH
保护	过载保护	负载电流超范围, 输出关闭, 故障移除自动恢复
	短路保护	输出关闭, 故障移除自恢复
	空载保护	产品不损坏
	热插拔	支持带电热拔插
	输入防反接保护	输入不分正负, 都可正常输出
其他	产品尺寸	115×14×9mm(L×W×H)
	产品重量	8g±2g
	外箱尺寸	370×290×190mm (L×W×H) 240个/箱 1.92kg±5%箱

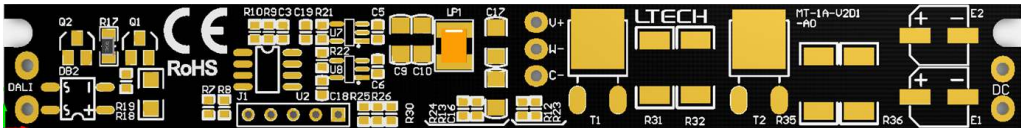
产品尺寸

单位:mm

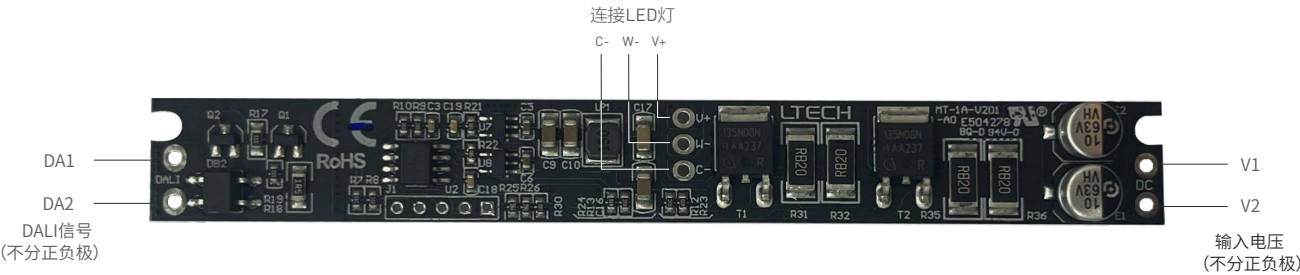


端子描述

PCB板



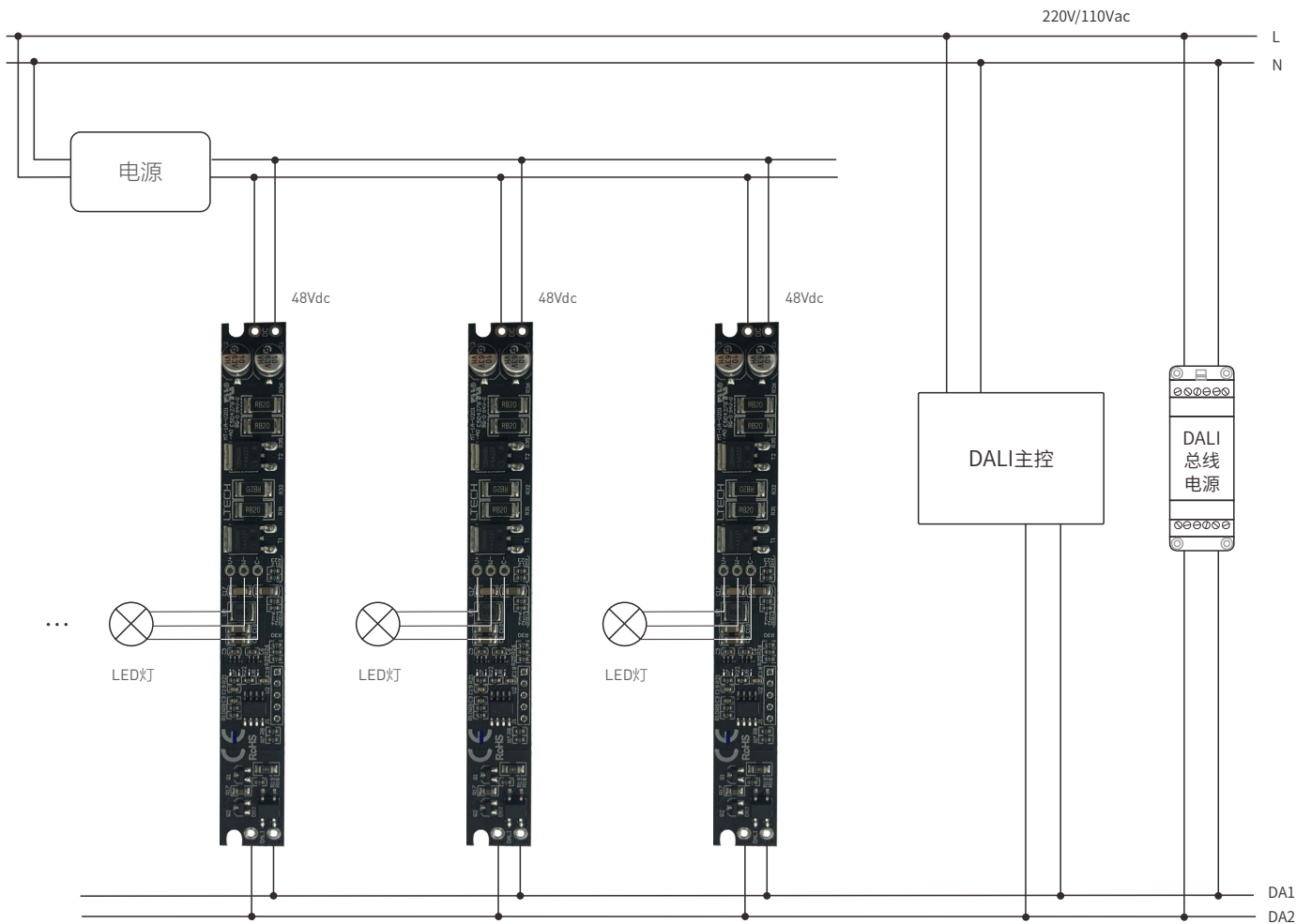
主视图



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)不能防水防雷,需避免日晒雨淋,如安装在户外,请用防水箱和防雷装置。
- 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足够负载连接的LED灯具,并确保接线牢固。
- 通电调试前,应确保所有接线正确,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	2023.10.09	正稿	杨魏玲