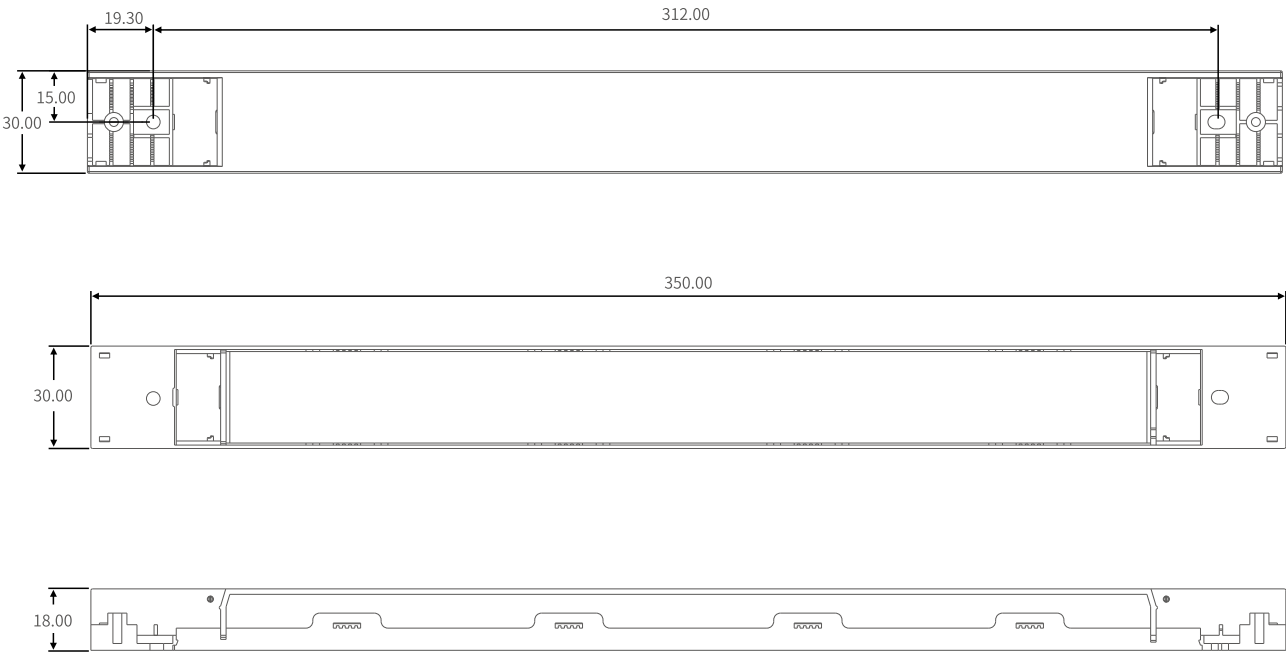


Product Size

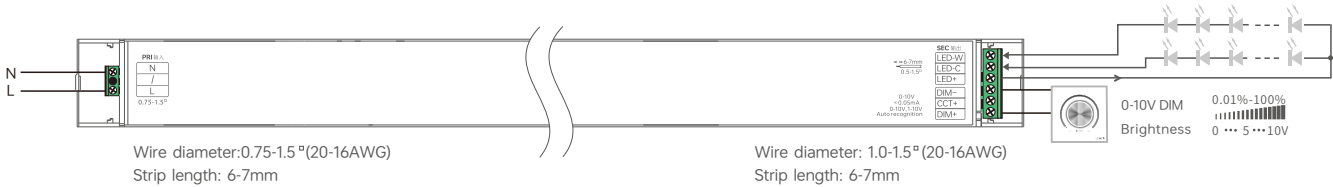
Unit: mm



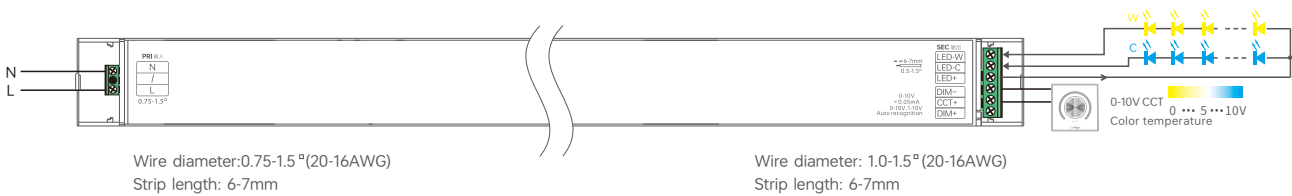
Wiring Diagram

0-10V Connection

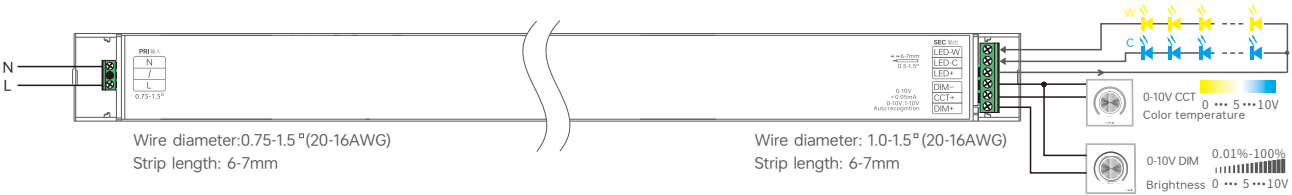
1、Brightness adjustment.



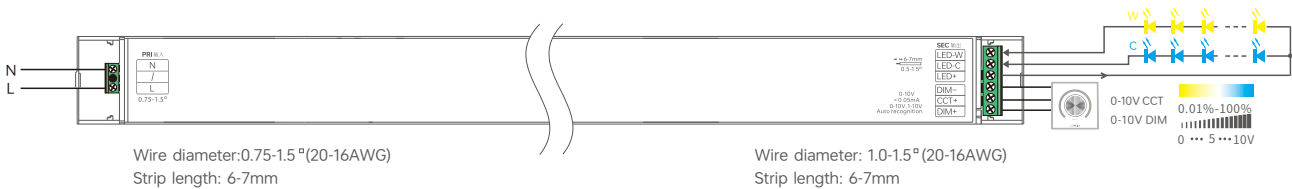
2、Color temperature adjustment



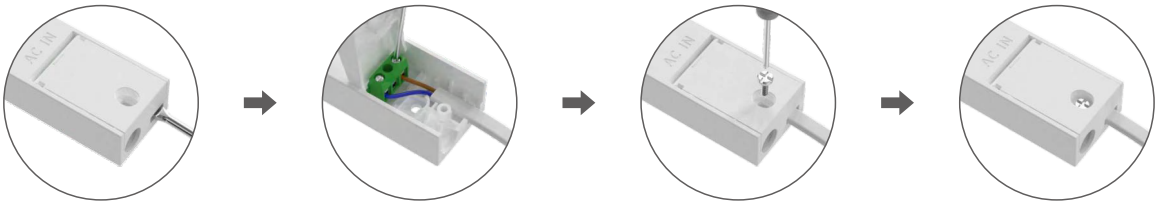
3、Brightness and color temperature adjustment respective.



4、Brightness and color temperature adjustment simultaneous

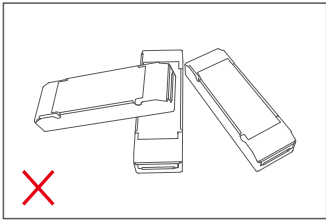


Application Diagram of Protective Cover

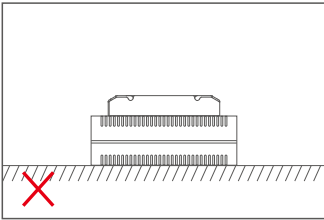
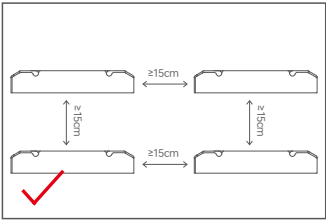


1. Put the head of the screwdriver at the cable entry to pry up the protective cover, then connect the wires as the wiring diagram shown.
2. After closing the protective cover, tighten the protective cover with the PA screws.

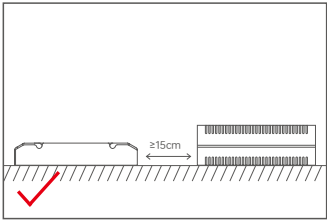
Installation Precautions



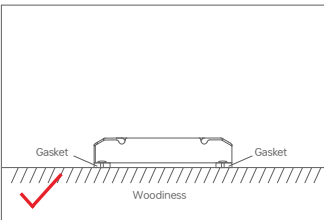
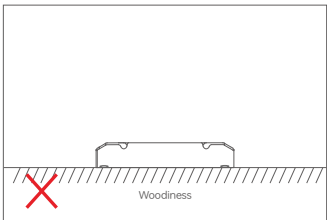
Please do not stack the products. The distance between two products should be $\geq 15\text{cm}$ so as not to affect heat dissipation or the lifetime of the products.



Please not place the products on power supplies. The distance between the product and the power supplies should be $\geq 15\text{cm}$ so as not to affect heat dissipation or shorten the lifetime of the products.

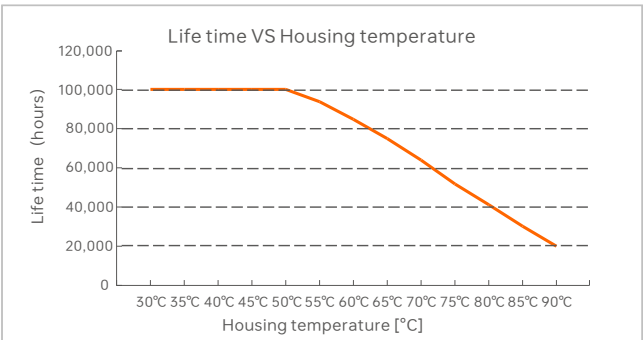
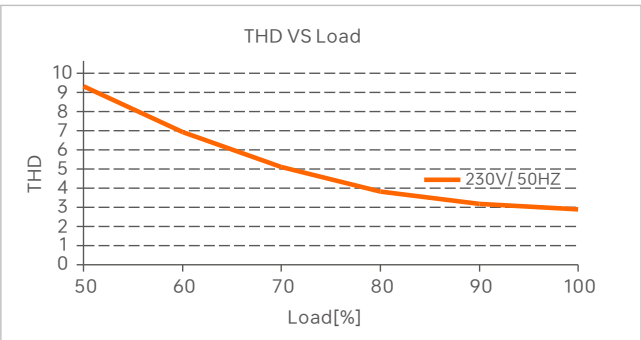
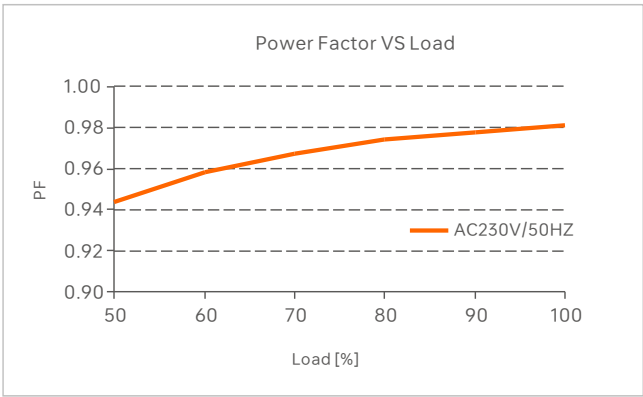
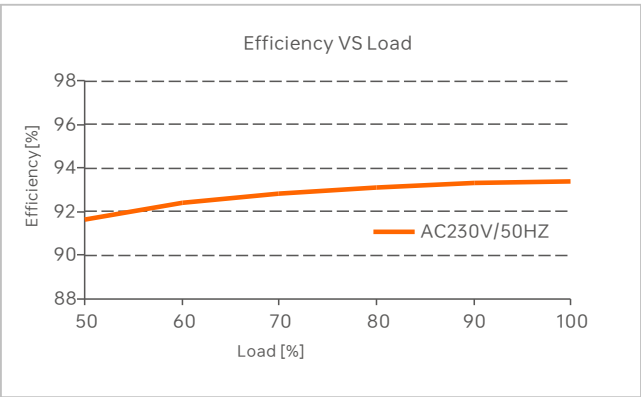


Note: The temperature within the installation area should be within the working temperature range of the products. Please do not install products inside LED fixtures to avoid temperature exceeding the working temperature that may affect the product lifetime.



Do not fix the product screws tightly against the wooden board. Instead, add a washer with a thickness of $\geq 7\text{mm}$ under the fixing screws. Leaving some gaps can effectively dissipate heat, preventing any impact on the product's heat dissipation performance and service life.

Relationship Diagrams



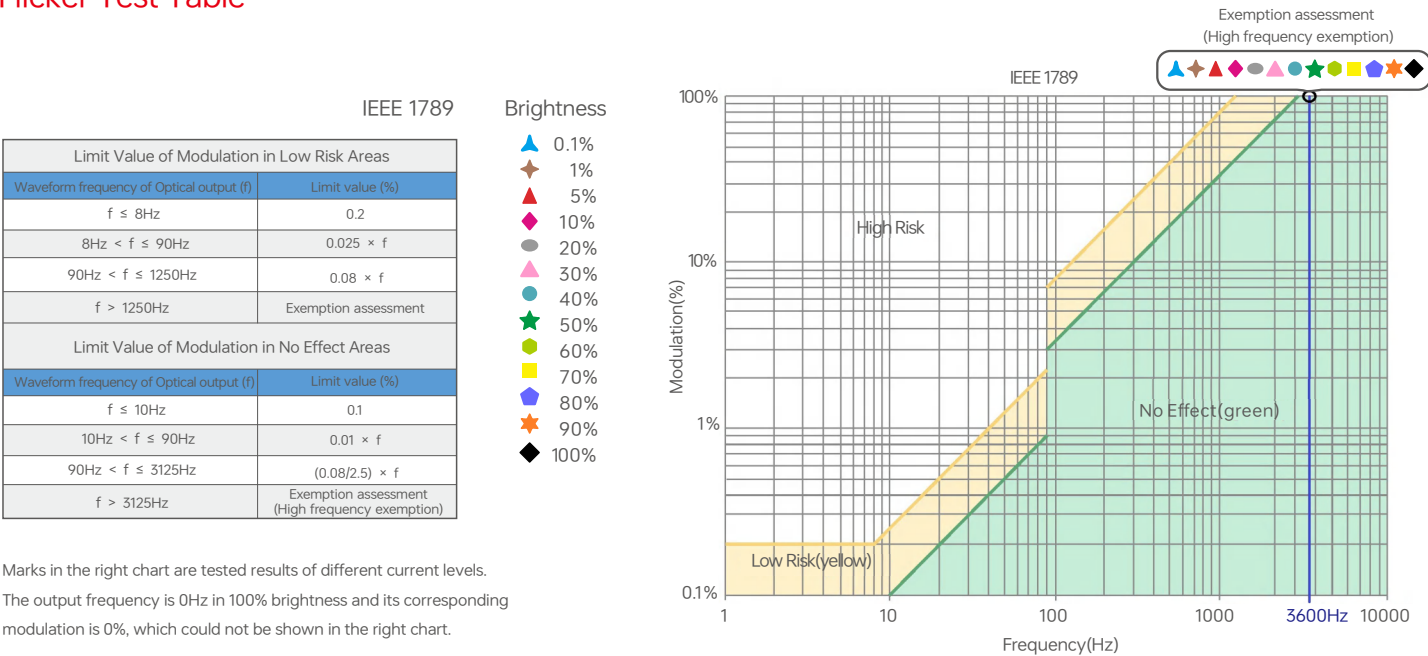
Surge Current & Corresponding Miniature Circuit Breaker (MCB) Load Capacity Table

MCB Model	B10	B13	B16	B20	B25	C10	C13	C16	C20	C25	D10	D13	D16	D20	D25
Maximum Load Capacity	4	5	6	8	11	7	9	11	14	18	9	11	15	20	26

Remarks:

1. Test Conditions: Cold start 45A(Test twidth=350us tested under 50% lpeak)/230Vac
2. The number of supported drivers may vary depending on the brand and model of the MCB.
- 3.It is recommended not to exceed the specified load capacity during on-site installation. The actual load should be determined based on field conditions.
- 4.If the ambient temperature exceeds 30°C or multiple MCBs are installed side by side, the number of installed drivers must be reduced and recalculated accordingly.
- 5.Electricians typically use Type B MCBs for residential lighting and Type C MCBs for commercial lighting applications.
- 6.Different testing equipment may yield variations in measured current peaks and pulse widths. Always use professional-grade instruments for accurate testing.

Flicker Test Table



Transportation and Storage

1. Transportation

Products can be shipped via vehicles, boats and planes.

During transportation, products should be protected from rain and sun. Please avoid severe shock and vibration during the loading and unloading process.

2. Storage

The storage conditions should comply with the Class I Environmental Standards. The products that have been stored for more than six months are recommended to be re-inspected and can be used only after they have been qualified.

Attentions

- Product installation and commissioning should be done by a qualified professional.
- 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 devices.
- Good heat dissipation will prolong 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:

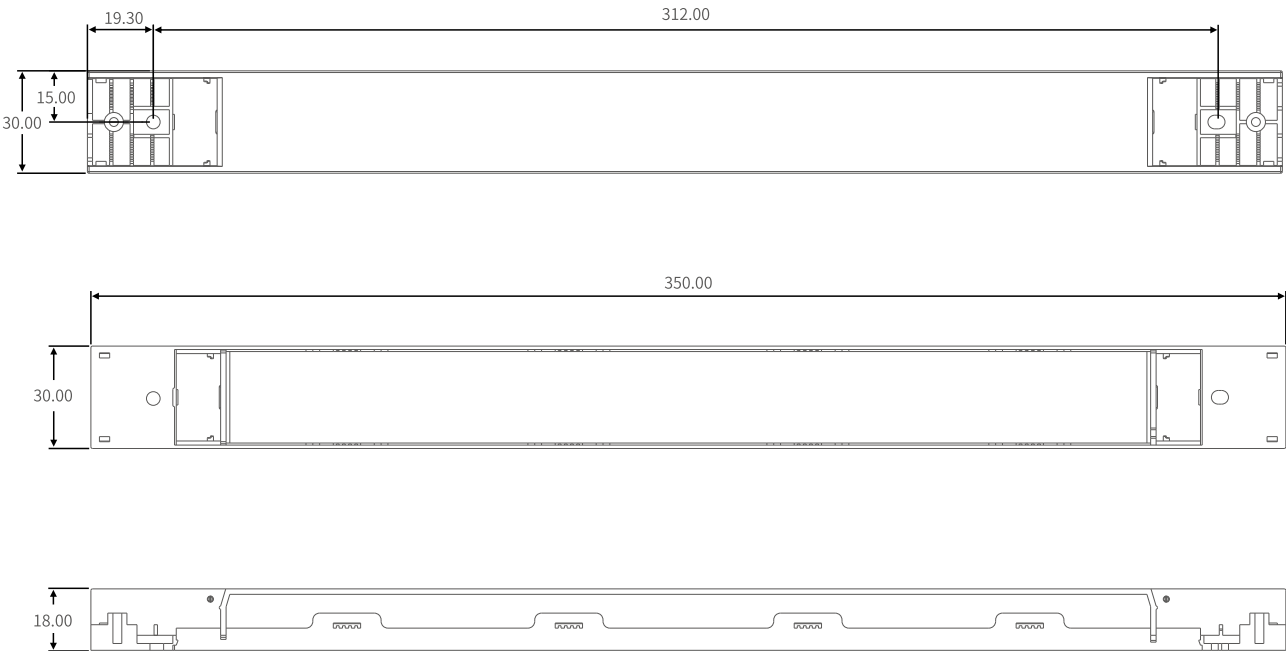
- Beyond warranty periods.
 - Any artificial damage caused by high voltage, overload, or improper operations.
 - Products with severe physical damage.
 - Damage caused by natural disasters and force majeure.
 - Warranty labels and barcodes have been damaged.
 - No any contract signed by LTECH.
1. Repair 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	2025.05.30	Original version	Li Haipeng

尺寸图

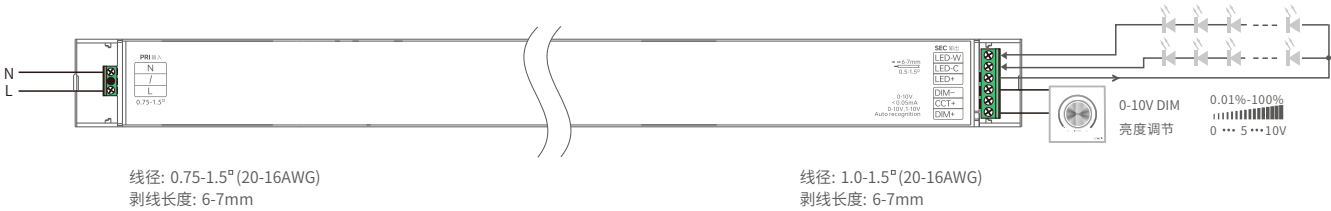
单位：mm



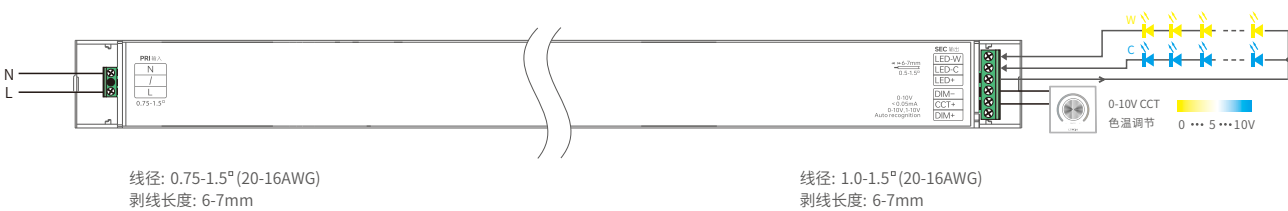
连接应用图

0-10V 连接方式

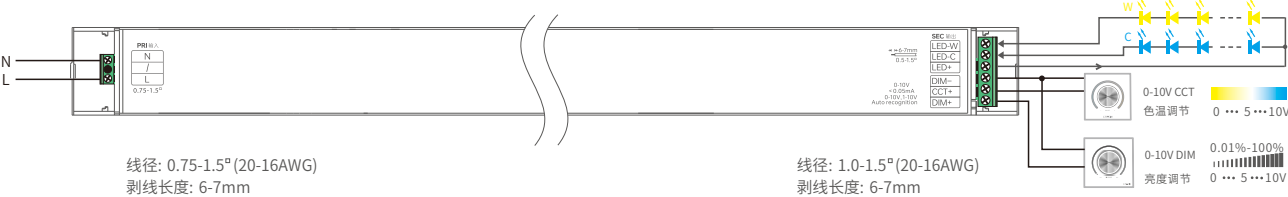
1、亮度调节



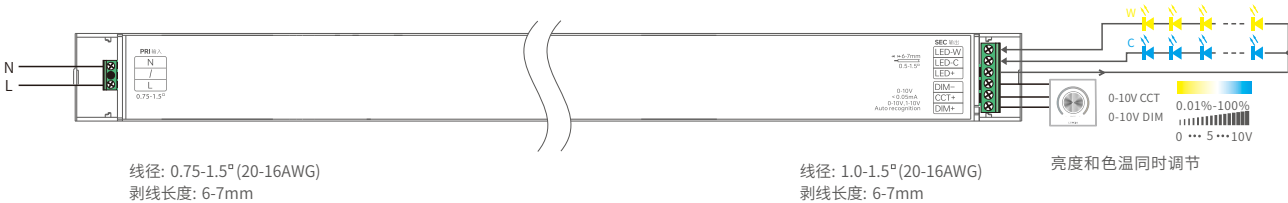
2、色温调节



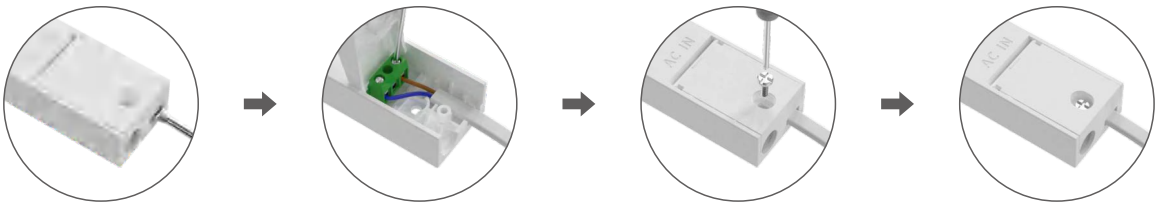
3、亮度和色温分别调节



4、亮度和色温同时调节

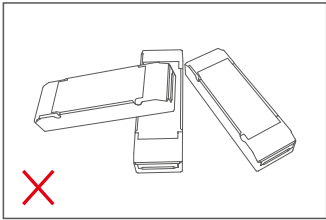


保护盖应用图

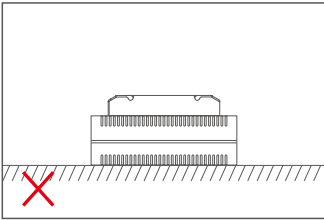
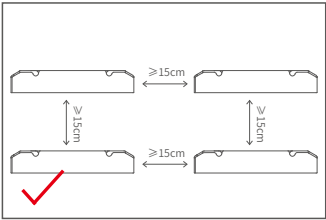


1. 在出线口使用螺丝批撬起保护盖后，按照接线图进行接线。
2. 扣合保护盖后，使用PA螺丝将保护盖拧紧即可。

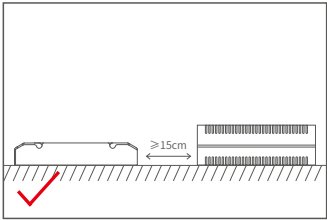
安装注意事项



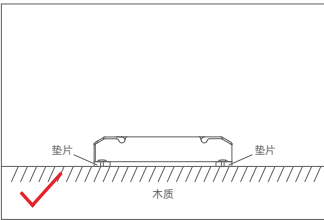
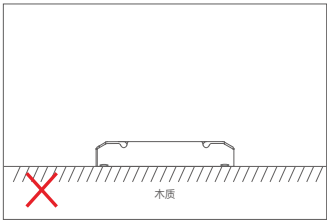
请勿将产品堆叠摆放，产品与产品间隔距离应≥15cm，避免影响产品散热和使用寿命。



请勿将产品置于电源上方，与电源间隔距离应≥15cm，避免影响产品散热而减少使用寿命。

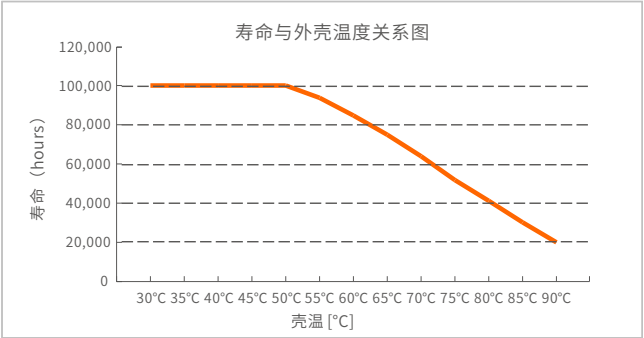
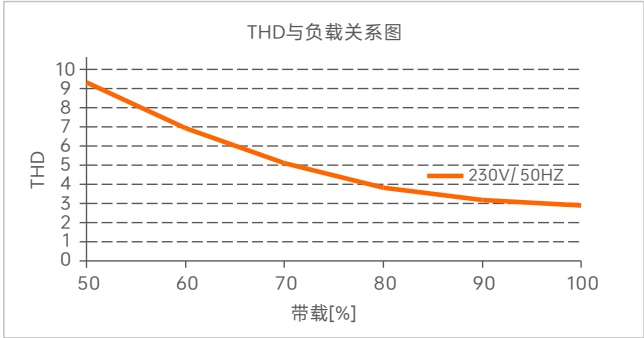
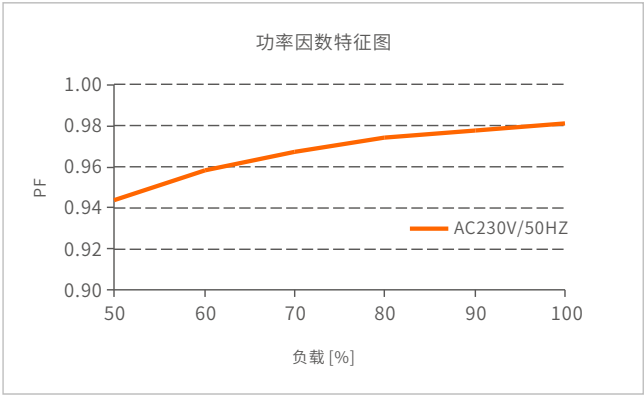
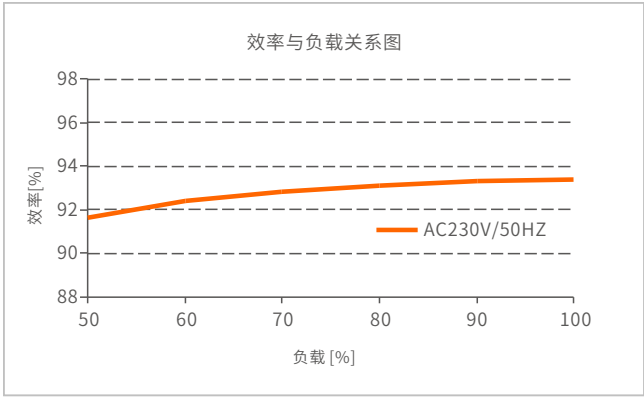


注：安装需符合产品的环境工作温度，切勿安装到灯具内部，以免超出产品环境工作温度影响产品寿命。



请勿将产品螺丝固定紧贴于木板，应在固定螺丝下增加≥7mm的垫片，留点空隙可以有效散热，避免影响产品散热和使用寿命。

关系图表



浪涌电流&对应的微型断路器(MCB)下挂载的数量对应表

微型断路器型号	B10	B13	B16	B20	B25	C10	C13	C16	C20	C25	D10	D13	D16	D20	D25
最大带载数量	4	5	6	8	11	7	9	11	14	18	9	11	15	20	26

备注:

1. 本数据测试条件: 冷启动45A (在50%peak下测试twidth=350us)/230Vac;

2. 对于不同品牌和型号的微型断路器, 驱动器的数量会有所不同;

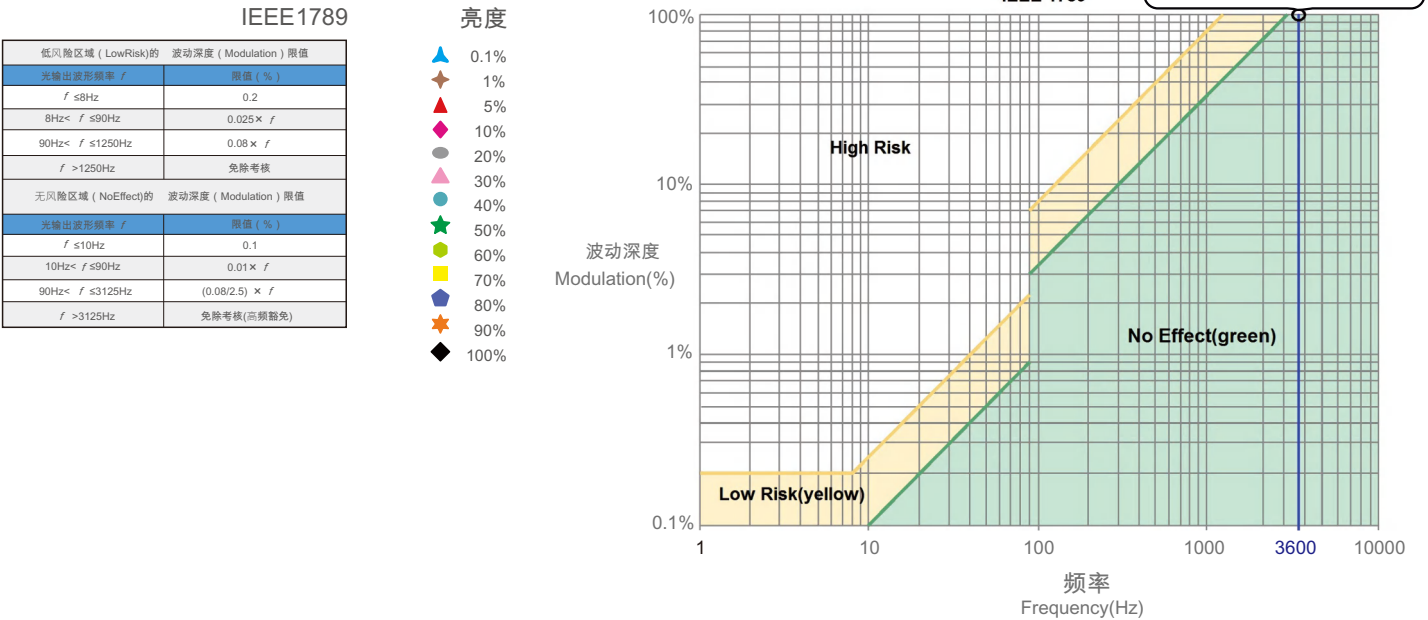
3. 现场安装时建议不要超过上述数量, 具体负载量以现场安装为准;

4. 当微型断路器的安装环境温度超过30℃或多个微型断路器并排安装时, 安装的驱动器数量将减少, 这需要重新计算;

5. 电工通常考虑将B型MCB用于家用照明, 将C型MCB用于商业照明;

6. 不同仪器设备测试出来的电流峰值和脉冲宽度有差异, 请使用专业仪器设备测试;

频闪测试表



运输和贮存

1. 运输

产品适用车、船、飞机交通运输工具运输。

在运输中, 应使用遮蓬进行防雨和防晒, 并保持文明装卸, 不应有剧烈振动、撞击等。

2. 贮存

贮存符合I类环境的规定。贮存期限超过6个月的产品建议重新检验, 合格后方可使用。

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, 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, 欢迎向我司授权的经销商咨询。

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。

- 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任, 除非在适用法律范围之内。
- 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	2025.04.09	正稿	黎海鹏