

Intelligent LED Driver (Constant Voltage)

- The housing is made of V0 flame-retardant PC material, sourced from SAMSUNG/COVESTRO.
- The clamshell design and screwless type for strain-relief. The design of dismountable end cap allows you to adjust the length of housing depending on your needs.
- DMX address, dimming curve, and brightness range can be set via NFC using the mobile app.
- Support the RDM remote Device Management Protocol.
- Provides two-channel independent SELV outputs.
- Supports DMX512/RDM, Push DIM and corridor light DIM.
- Constant power design ensures consistent brightness across color temperature adjustments.Supports deep dimming from 0~100%, with a minimum dimming level of 0.01%.
- It is equipped with a soft-start gradually brightening function, making the visual experience more comfortable for the human eye.
- High-efficiency driver with 93% efficiency, power factor > 0.98, and THD < 6%.
- In compliance with the EU ERP Energy Efficiency Directive, with network standby power consumption below 0.5W.
- Innovative thermal management technology intelligently protects the life of the LED driver.
- Includes protections against overheating, overload, short circuit, and open circuit.
- Suitable for Class I/II indoor light fixtures.
- Designed for a service life exceeding 100,000 hours under normal operating conditions.
- 5-year warranty (Rubycon capacitor).



Flicker-Free
IEEE 1789
Achieve the exemption level.

Dimmable:
1:10000



The certification icon represents undergoing certification applications only, and final certification qualification subject to actual product

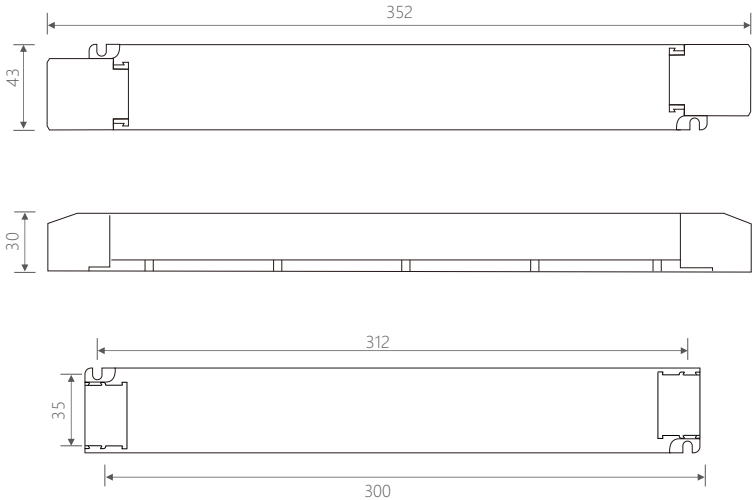


Technical Specs

Model		LM-150-24-G1M2F		LM-150-12-G1M2F	
Features	Output Type	Constant Voltage			
	Dimming Interface	DMX512/RDM, Push DIM			
	Output Feature	Isolation			
	Protection Grade	IP20			
	Insulation Grade	Class II (Suitable for class I /II/III light fixtures)			
OUTPUT	Output Voltage	24V $\equiv$		12V $\equiv$	
	Output Voltage Range	24V $\pm$ 0.5V $\equiv$		12V $\pm$ 0.5V $\equiv$	
	Output Current	Max. 6.25A		Max. 12.5A	
	Output Power	Max. 150W			
	Output Power Range	0~150W			
	Strobe Level	High frequency exemption level			
	Dimming Range	0~100%, down to 0.01%			
	Overload Power Limitation	$\geq$ 102%			
	Ripple	Switch ripple $\leq$ 200mV, noise $\leq$ 500mV		Switch ripple $\leq$ 200mV, noise $\leq$ 800mV	
PWM Frequency	300-22000Hz				
INPUT	AC Voltage Range	220-240V~			
	DC Voltage Range	220-240V $\equiv$ (EMI needs to be evaluated after the luminaire is installed)			
	Frequency	50/60Hz			
	Input Current	Max. 0.75A/230V~			
	Power Factor	PF>0.98/230V~ (at full load)			
	THD	THD<6%@ 230V~ (at full load)			
	Efficiency (Typ.)	93%		92%	
	Standby Power Loss	< 0.5W			
	Inrush Current	Cold start 45.6A(Test twidth=500us tested under 50% Ipeak)/230V~			
Anti Surge	L-N: 2KV				
Leakage Current	Max. 0.5mA				
ENVIRONMENT	Working Temperature	ta: -20 ~ 50°C tc: 85°C			
	Working Humidity	20 ~ 95%RH, non-condensing			
	Storage Temperature/Humidity	-40 ~ 80°C, 10~95%RH			
	Temperature Coefficient	$\pm$ 0.03%/°C(0-50°C)			
	Vibration	10~500Hz, 2G 12min/1cycle, 72 min for X, Y and Z axes respectively			
PROTECTION	Overload Protection	Shut down the output when rated power $\geq$ 102%, auto recovers			
	Overheat Protection	Intelligently adjust or turn off the output current if the PCB temperature $\geq$ 110°C, and recover automatically			
	Short Circuit Protection	Enter hiccup mode if short circuit occurs, and recover automatically			
	Overvoltage Protection	Shut down the output when no-load voltage $\geq$ 28V, and recover automatically		Shut down the output when no-load voltage $\geq$ 16V, and recover automatically	
SAFETY & EMC	Withstand Voltage	I/P-O/P: 3750V~			
	Insulation Resistance	I/P-O/P: 100MQ/500VDC/25°C/70%RH			
	SafetyStandards	CCC	China	GB19510.1, GB19510.14, GB19510.213	
		TUV	Germany	EN61347-1, EN61347-2-13, EN62493	
		CB	CB MEMBER STATES	IEC61347-1, IEC61347-2-13	
		CE	European Union	EN61347-1, EN61347-2-13, EN62384	
		KC	Korea	KC61347-1, KC61347-2-13	
		EAC	Russia	IEC61347-1, IEC61347-2-13	
		RCM	Australia	AS 61347-1, AS 61347-2-13	
		ENEC	Europe	EN61347-1, EN61347-2-13, EN62384	
	EMC Emission	BIS	India	EN61347-1, EN61347-2-13, EN62384	
		CCC	China	GB/T17743, GB17625.1	
		CE	European Union	EN55015, EN61000-3-2, EN61000-3-3, EN61547	
		KC	Korea	KN15, KN61547	
		EAC	Russia	IEC62493, IEC61547, EH55015	
		RCM	Australia	EN55015, EN61000-3-2, EN61000-3-3, EN61547	
	ErP	Power Consumption	Networked standby	< 0.5W(After shutdown by command)	
		No-load power consumption	No no-load mode		
Flicker/Stroboscopic Effect		IEEE1789	Meet IEEE 1789 standard/High frequency exemption level		
		CIE SVM	PstLM $\leq$ 1.0, SVM $\leq$ 0.4		
	DF	Phase factor	DF $\geq$ 0.9		
OTHERS	Weight(N.W.)	430g $\pm$ 10g			
	Dimensions	352 $\times$ 43 $\times$ 30mm(L $\times$ W $\times$ H)			

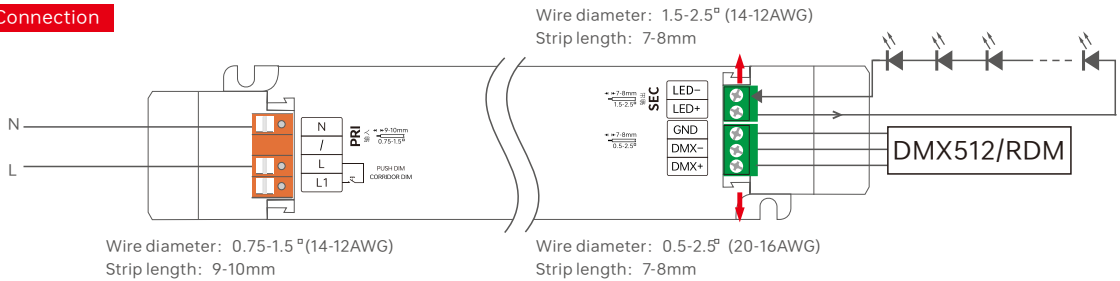
This driver is suitable for connecting to resistor-limited LED fixtures (e.g., LED strips). If connected to fixtures with built-in constant-current ICs, it may generate instantaneous surge currents dozens of times higher, triggering overload protection (hiccup-mode flickering). For such fixtures (e.g., MR16 bulbs, buried lights, wall washers, constant-current rigid strips), please specify during ordering to enable firmware reprogramming.

Product Size
Unit: mm

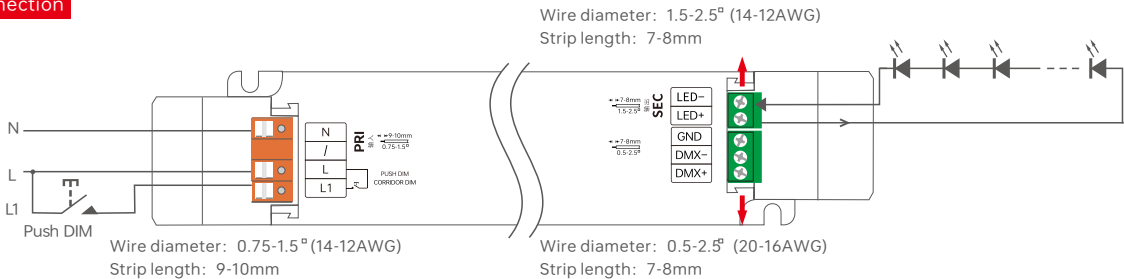


Wiring Diagram

DMX512/RDM Connection



Push DIM Connection



*Dimming interface priority: DMX512/RDM first , Push DIM next.
Only when the system failure status setting is set to "Memory" and no DMX data is received, it can be allowed to switch to PUSH DIM.
*The system failure status can be set through NFC lighting/WiFi-RDM.

Switch to PUSH DIM Mode:

Method 1: If it has been switched to the corridor dimming mode, connect the wires according to the Push DIM wiring diagram. Press the switch briefly 5 times within 3 seconds of reset button, then press and hold it for 6 seconds, and then press it briefly 5 times within 3 seconds. The driver will automatically switch to the Push DIM dimming mode.

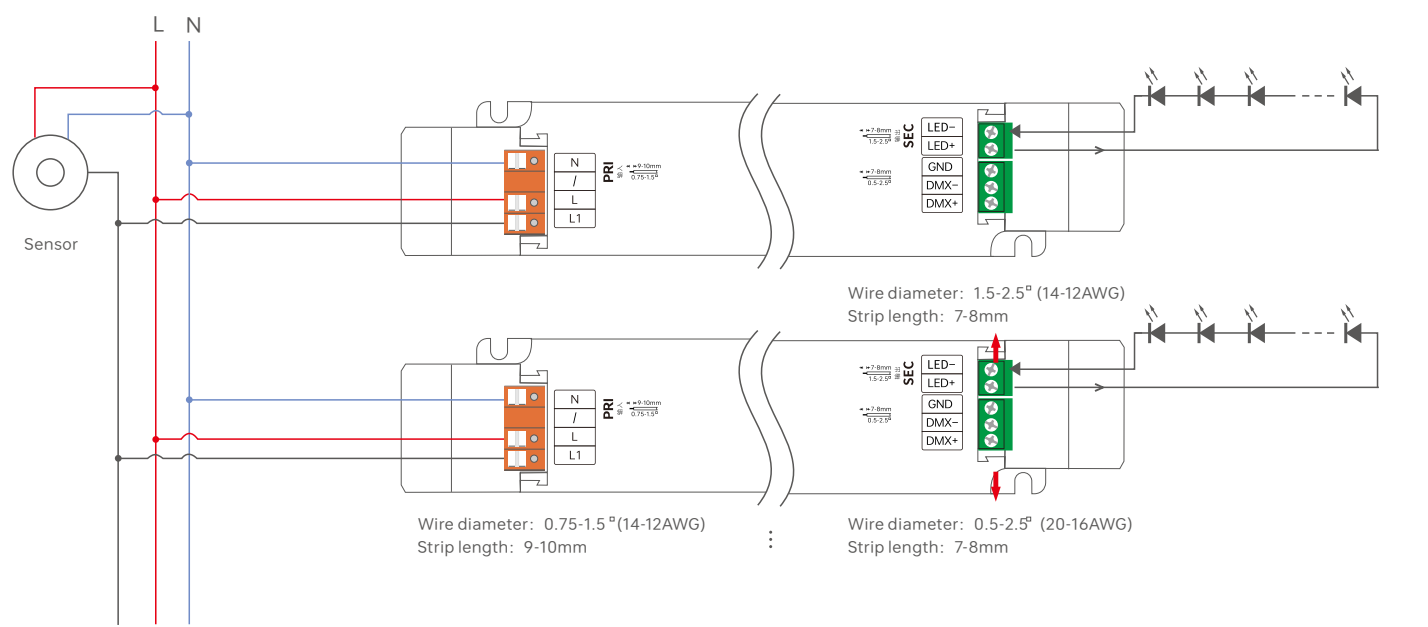
Method 2: If it is switched to the corridor mode, you can switch to the Push DIM dimming mode through the NFC Lighting app.

Push DIM



Reset Switch

- Short press : on/off control.
- Double-click: Not available.
- Long press : Adjust the current brightness.
- Dimming memory : When the light is switched on/off again, the light will resumes to the previously set brightness level.



Switch to the corridor light mode

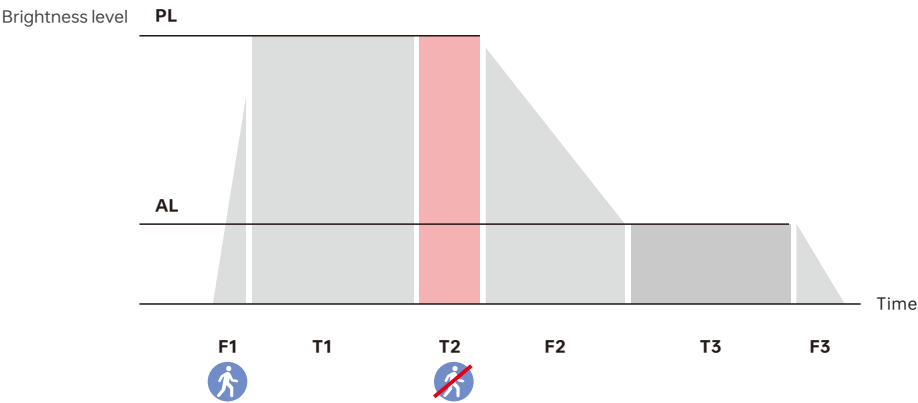
Method 1: Configure and switch the corridor light function via NFC, and the Push DIM function will be turned off.

Method 2: After connecting the wires according to the corridor dimming wiring diagram, keep moving within the effective sensing area for more than 2 minutes, and it will automatically switch to the corridor dimming mode with all lights on at full brightness.

Method 3: After connecting the wires according to the corridor dimming wiring diagram, first replace the sensor with a common switch, then turn on the common switch and keep it conducting for 2 minutes. The driver will automatically switch to the corridor dimming mode. After that, remove the common switch and replace it with the sensor again.

Note: During normal operation, it is recommended to set the hold-time of the motion sensor to the minimum. It is necessary to select a motion sensor with an AC switch.

Corridor Dimming: Working Process



Name	Default	Setting Range
(F1) Gradual Entry Sensing Time	1 s	0-100 s
(PL) Sensing Brightness	255	0-255
(T1) Sensing Holding Time	Set through the sensor	
(T2) Delay Time	30 s	0 s,5 s,10 s,20 s,30 s,45 s,1 min, 2 min, 3 min,5 min,10 min,20 min,30 min
(F2) Gradual Exit Sensing Time	1 s	0-100 s
(AL) Standby Brightness	100	0-255
(T3) Sensing Standby Time	30 s	0 s,5 s,10 s,20 s,30 s,45 s,1 min,2 mins,3 mins,5 mins, 10 mins,20 mins,30 mins,Permanent
(F3) Gradual Exit to Off Time	1 s	0-100 s

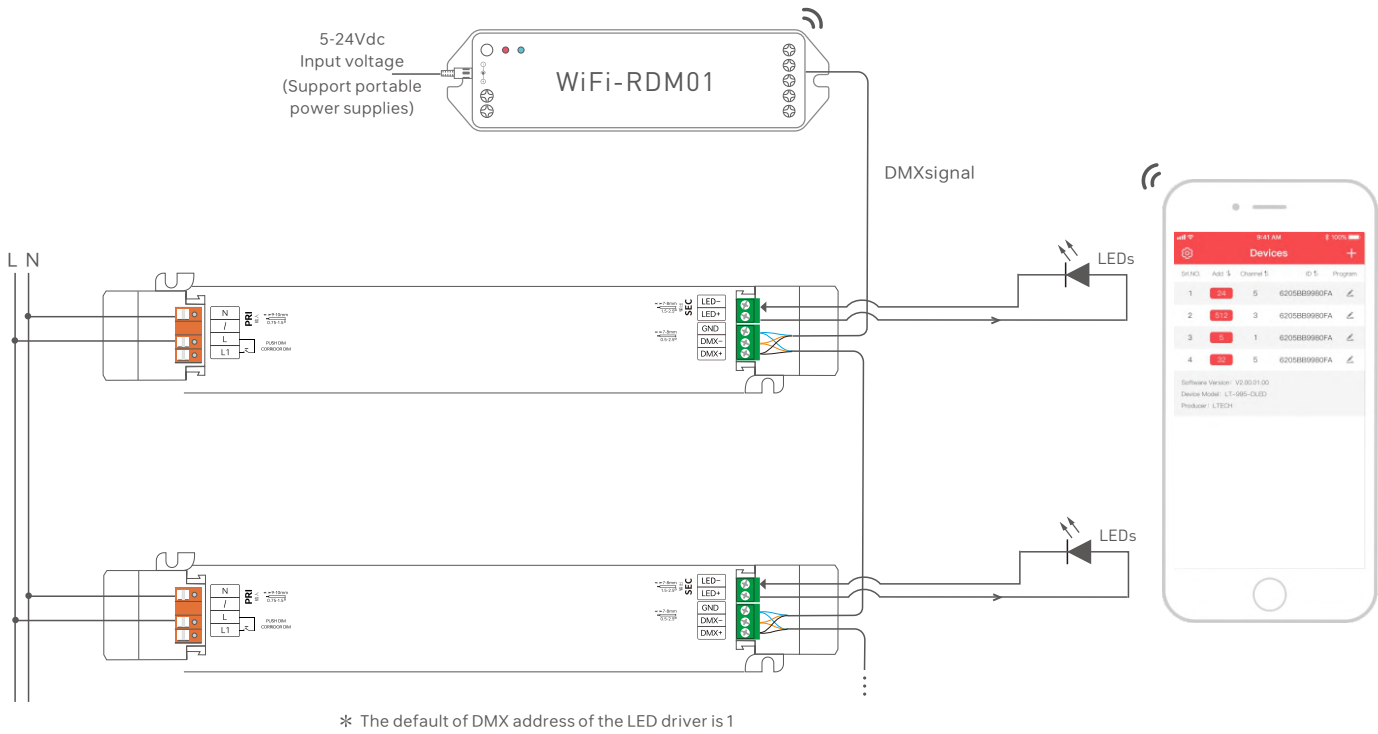


Note: *If the lamp needs to be on standby at a low brightness level, the [T3] Sensing Standby Time should be set to "Permanent".

*The above parameters are set through the NFC lighting APP.

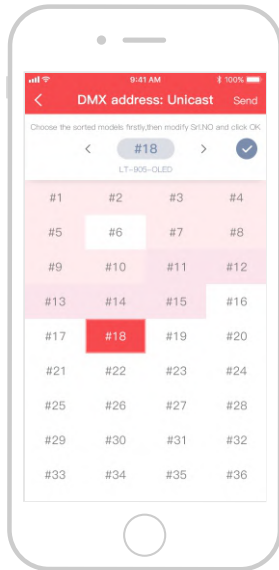
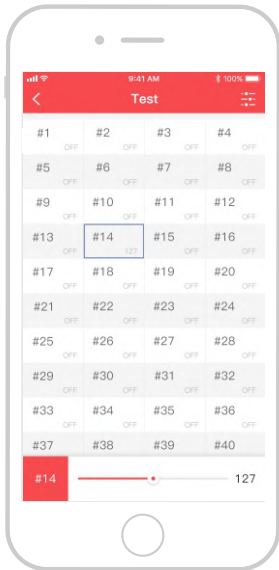
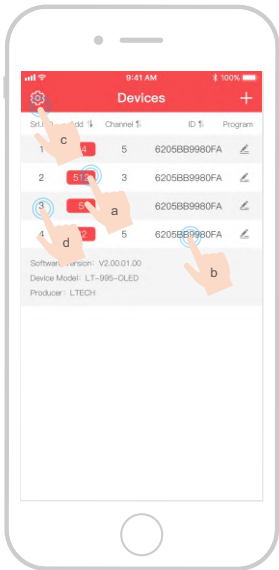
Use with RDM Editor

The DMX driver can work with a DMX address programmer that follows the standard RDM protocol.
It is recommended to use LTECH RDM Programmer (Model: WiFi-RDM01), which can achieve more functions such as remote browsing and parameter setting.
Wiring diagram as below:



LTECH RDM Programmer APP interface introduction

Download the App with your mobile phone and connect the RDM Programmer successfully, then you are allowed to set parameters through the APP.
Please refer to the WiFi-RDM01 manual fo more details.



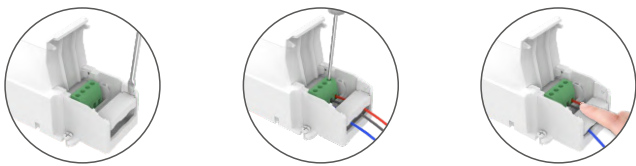
- a : Click "Add", edit the address in corresponding box ;
- b: Click "ID", get more product details ;
- c: Click "Settings", enter the settings interface
- d: Click "No.", issue the recognizing command.

Testing

DMX address setting

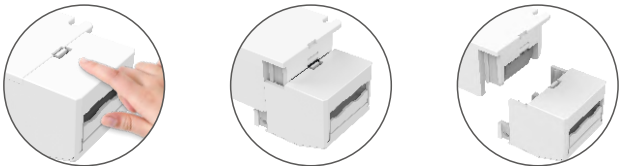
Protective Housing Application Diagram

Tension plate



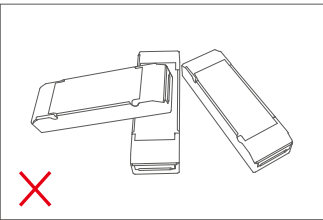
- 1. Pry up the protecting housing in the side plate position with a tool.
- 2. Connect to electrical wires with a screwdriver as wiring diagram shows.
- 3. Press down the tension plate to fix the electrical wires, then close the protective housing.

Remove the protective housing

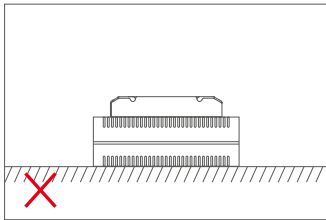
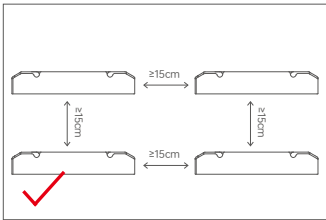


Pull the housing left and right from the bottom to remove it.

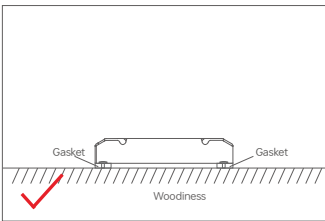
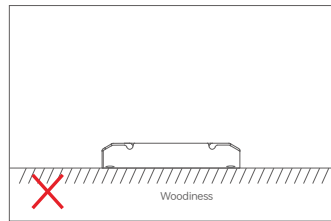
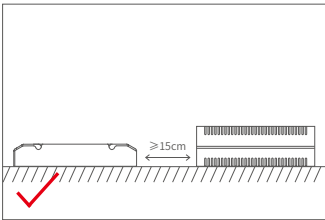
Installation Precautions



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.



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.

Use the NFC Lighting APP

Scan the QR code below with your mobile phone and follow the prompts to complete the APP installation (According to performance requirements, you need to use a NFC-capable Android phone, or an iphone 8 and later that are compatible with iOS 13 or higher).



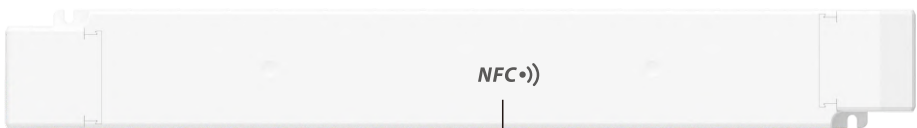
* Before you begin setting the parameters of the driver, please make sure the driver is powered off.

Read/Write the LED driver

Use your NFC-capable phone to read LED driver data, then edit the parameters and they can be directly written to the driver

1.Read the LED driver

On the APP home page, click 【Read/Write LED driver】 , then keep the programmer's sensing area close to the NFC logo of the driver to read the driver parameters.



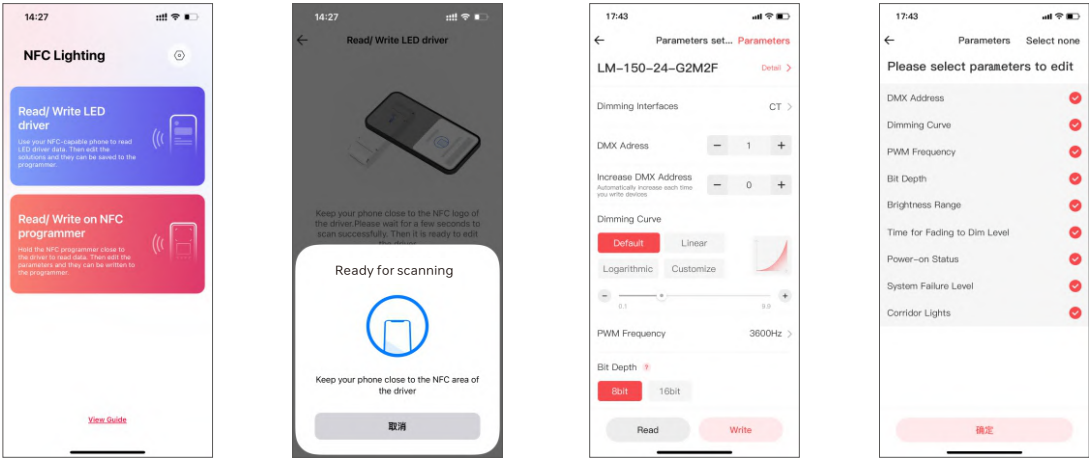
NFC logo of the driver

2. Edit parameters

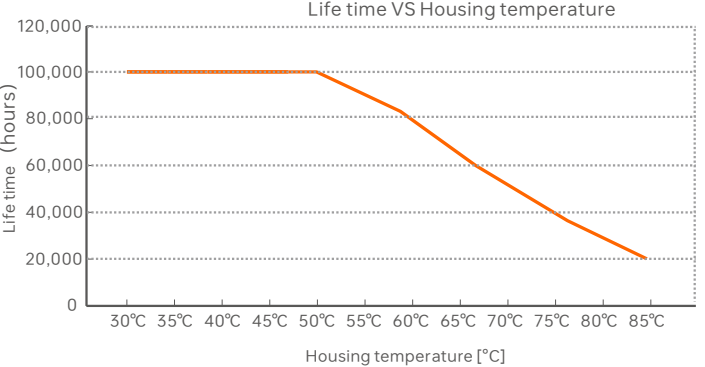
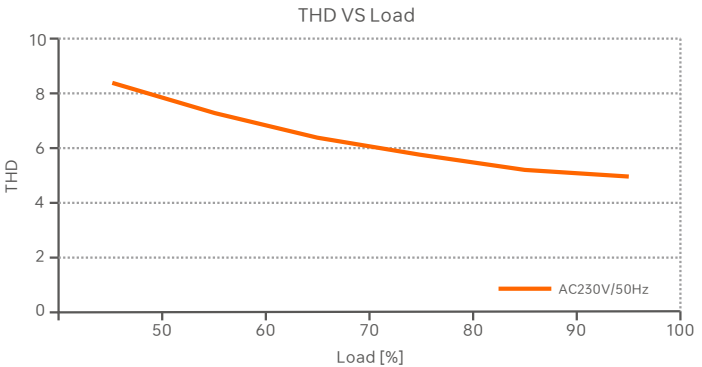
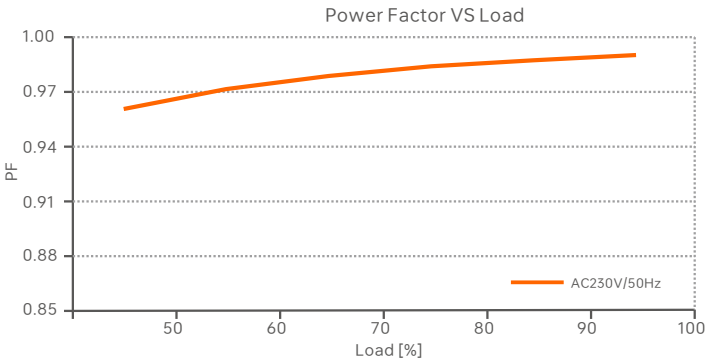
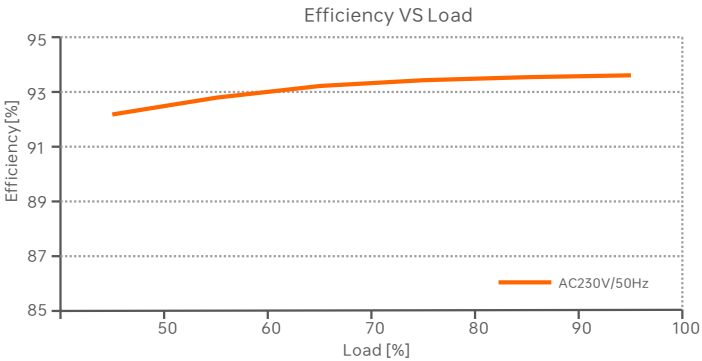
Click on [Parameter Management] to edit more advanced parameters such as DMX Address, Dimming Curve, PWM Frequency, Bit Depth, Brightness Range, Time for Fading to Dim Level, Power-on Status, System Failure Level, and Corridor Lights.

3. Write to the drive

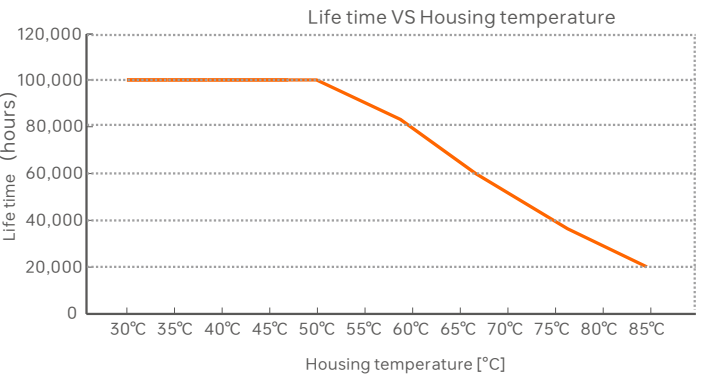
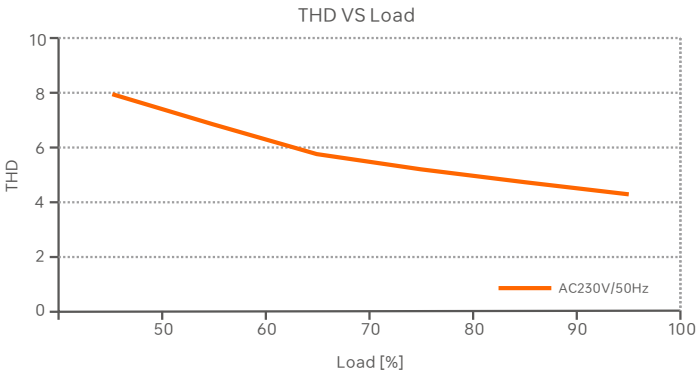
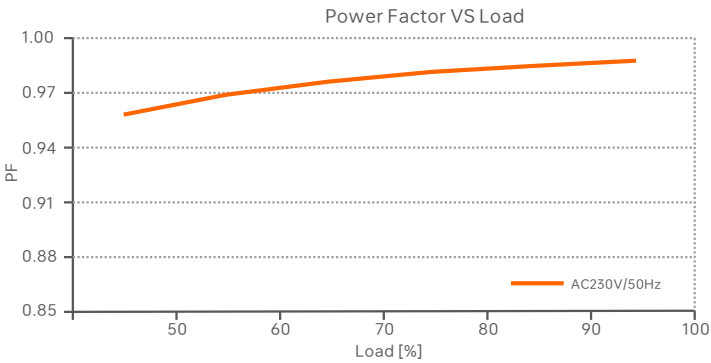
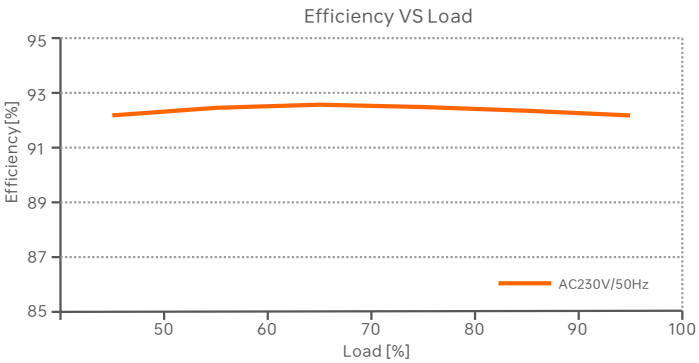
After completing the parameter settings, click 【Write】 in the upper right corner, and keep the programmer's sensing area close to the NFC logo of the driver, so the parameters can be written to the driver



Relationship Diagrams



LM-150-24-G1M2F



LM-150-12-G1M2F

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 45.6A(Test twidth=500us tested under 50% Ipeak)/230V~
 - 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.

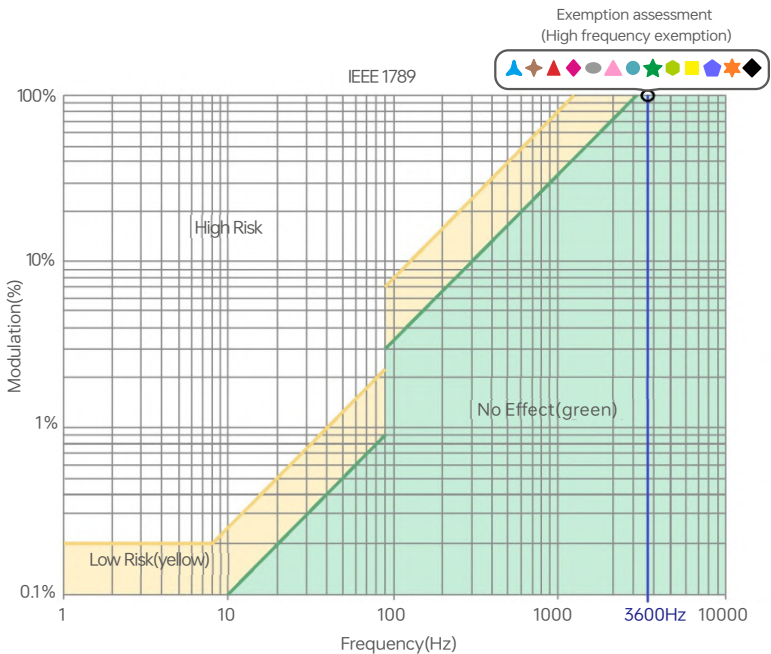
Flicker Test Table

IEEE 1789

Limit Value of Modulation in Low Risk Areas	
Waveform frequency of Optical output (f)	Limit value (%)
f ≤ 8Hz	0.2
8Hz < f ≤ 90Hz	0.025 × f
90Hz < f ≤ 1250Hz	0.08 × f
f > 1250Hz	Exemption assessment
Limit Value of Modulation in No Effect Areas	
Waveform frequency of Optical output (f)	Limit value (%)
f ≤ 10Hz	0.1
10Hz < f ≤ 90Hz	0.01 × f
90Hz < f ≤ 3125Hz	(0.08/2.5) × f
f > 3125Hz	Exemption assessment (High frequency exemption)

- Brightness
- 0.1%
 - 1%
 - 5%
 - 10%
 - 20%
 - 30%
 - 40%
 - 50%
 - 60%
 - 70%
 - 80%
 - 90%
 - 100%

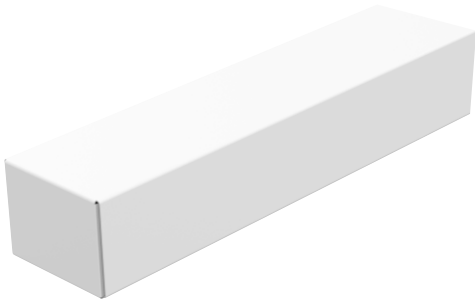
Marks in the right chart are tested results of different current levels.
The output frequency is 0Hz in 100% brightness and its corresponding modulation is 0%, which could not be shown in the right chart.



Packaging specification

Model	LM-150-24-G1M2F、LM-150-12-G1M2F
Packaging box size	370×340×93mm(L×W×H)
Quantity	10PCS per layer 2 layers per box 20PCS per box
Weight	0.43kg/PC;9.4kg±5%/box

Packaging style drawing



Inner packaging box



Full box packaging

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	2025.06.06	Original version	Li Haipeng

- 外壳采用科思创/三星PC阻燃V0级原料
- 免螺丝压线翻盖设计, 可拆卸端盖, 按需调节壳体长度
- 使用手机APP通过NFC可更改DMX地址、调光曲线、亮度范围等参数, 实现驱动器数据交互功能
- 支持RDM远程设备管理协议
- 支持DMX512/RDM、Push DIM、走廊灯调光
- 调光范围0~100%, LED从0.01%开始调光
- 带软启动渐亮功能, 让人眼视觉更舒适
- 高效能电源: 效率93%、PF>0.98、THD<6%
- 符合欧盟能效ERP指令, 网络待机功耗<0.5W
- 创新的热管理技术, 智能保护电源寿命
- 过温、过压、过载、短路保护, 可自动恢复
- 适合室内I、II、III类灯具应用
- 常规使用下寿命可达10万小时
- 5年保修期 (采用红宝石电容)

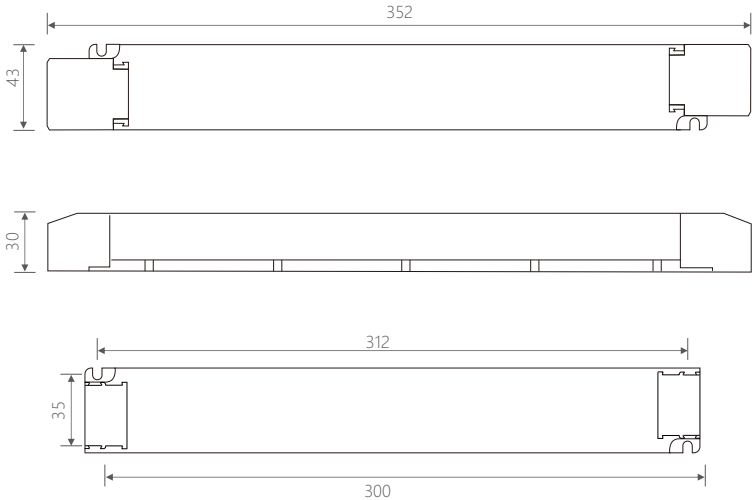


型号		LM-150-24-G1M2F		LM-150-12-G1M2F	
特征	输出类型	恒压			
	调光接口	DMX512/RDM, Push DIM			
	输出特征	隔离			
	防护等级	IP20			
	绝缘等级	II类(适用于室内I、II、III类灯具)			
输出	输出电压	24V		12V	
	输出电压范围	24V ± 0.5V		12V ± 0.5V	
	输出电流	Max. 6.25A		Max. 12.5A	
	输出功率	Max. 150W			
	输出功率范围	0~150W			
	频闪级别	高频豁免考核级别			
	调光范围	0~100%，调光深度：0.01%			
	过功率限制	≥102%			
	纹波与噪声	开关纹波≤200mV，噪声≤500mV		开关纹波≤200mV，噪声≤800mV	
PWM调光频率	300-22000Hz				
输入	输入交流电压	220-240V~			
	输入直流电压	220-240V (EMI需配灯具后评估)			
	频率范围	50/60Hz			
	输入电流	Max. 0.75A/230V~			
	功率因数	PF>0.98/230V~(满载)			
	总谐波失真THD	THD<6%@ 230V~ (满载)			
	效率(Typ.)	93%		92%	
	待机功耗	< 0.5W			
	浪涌电流	冷启动45.6A (在50%Ipeak下测试twidth=500us)/230V~			
抗浪涌	L-N: 2KV				
漏电流	Max. 0.5mA				
环境	工作温度	ta: -20 ~ 50°C tc: 85°C			
	工作湿度	20 ~ 95%RH, 无冷凝			
	储存温度/湿度	-40 ~ 80°C, 10~95%RH			
	温度系数	±0.03%/°C(0-50°C)			
	耐振动	10-500HZ, 2G 12分钟/周期, X, Y, Z轴各72分钟			
保护	过温保护	根据PCB温度超标情况(≥110°C), 智能调节电流输出或关闭, 可自动恢复			
	过载保护	负载电流≥102%, 关闭输出, 可自动恢复			
	短路保护	输出线路短路进入打嗝模式, 可自动恢复			
	过压保护	空载电压≥28V, 关闭输出, 可自动恢复		空载电压≥16V, 关闭输出, 可自动恢复	
安规和电磁规格	耐压	输入对输出: 3750V~			
	绝缘阻抗	输入对输出: 100MΩ/500VDC/25°C/70%RH			
	安全规范	CCC	中国	GB19510.1, GB19510.14, GB19510.213	
		TUV	德国	EN61347-1, EN61347-2-13, EN62493	
		CB	CB成员国	IEC61347-1, IEC61347-2-13	
		CE	欧盟	EN61347-1, EN61347-2-13, EN62384	
		KC	韩国	KC61347-1, KC61347-2-13	
		EAC	俄罗斯	IEC61347-1, IEC61347-2-13	
		RCM	澳洲	AS 61347-1, AS 61347-2-13	
		ENEC	欧洲	EN61347-1, EN61347-2-13, EN62384	
	BIS	印度	IS 15885 (PART 2/SEC 13)		
	电磁兼容发射	CCC	中国	GB/T17743, GB17625.1	
		CE	欧盟	EN55015, EN61000-3-2, EN61000-3-3, EN61547	
		KC	韩国	KN15, KN61547	
		EAC	俄罗斯	IEC62493, IEC61547, EH55015	
RCM		澳洲	EN55015, EN61000-3-2, EN61000-3-3, EN61547		
ErP	功耗	网络待机功耗	< 0.5W (通过指令开关后)		
		空载功耗	无空载模式		
	频闪/频闪效应	IEEE1789	满足无影响/高频豁免考核级别		
		CIE SVM	PstLM≤1.0, SVM≤0.4		
	DF	相位因素	DF≥0.9		
其他	产品重量	430g±10g			
	产品尺寸	352×43×30mm(L×W×H)			

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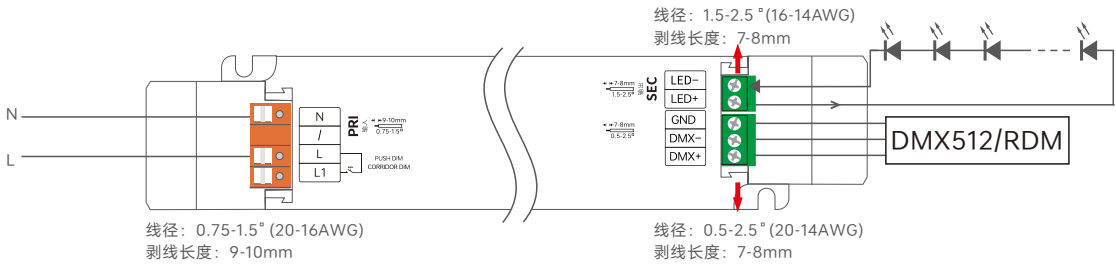
尺寸图

单位: mm

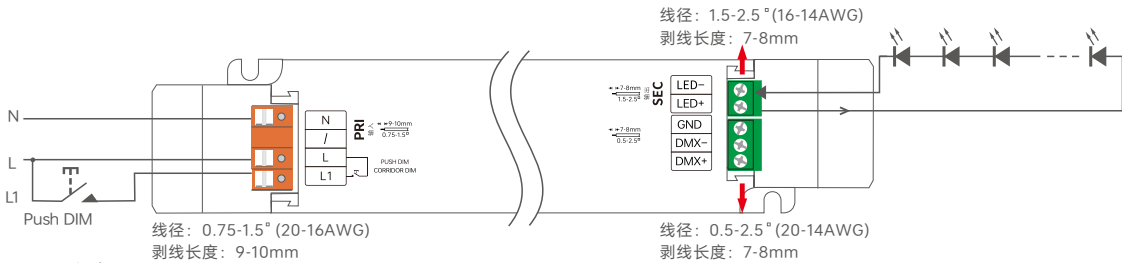


连接应用图

DMX512/RDM 连接方式



Push DIM 连接方式



0~100%调光
短按开关, 长按调光

*调光接口优先级为: 首先DMX512/RDM, 然后Push DIM。
仅当系统失效状态设置, 设置为“记忆”时, 并且没有收到DMX数据
才能允许其切换到按键调光。
*系统失效状态可通过NFC lighting/WiFi-RDM进行设置。

切换至PUSH DIM调光模式

方式 1: 若是已切换至走廊灯模式, 可以按照Push DIM接线图接好线路,复位开关3秒内短按 5 次, 然后长按 6 秒后再 3 秒内短按 5 次, 驱动器将会自动切换至Push DIM调光模式。
方式 2: 若是已切换至走廊灯模式, 可以通过NFC Lighting app切换成 Push DIM调光模式。

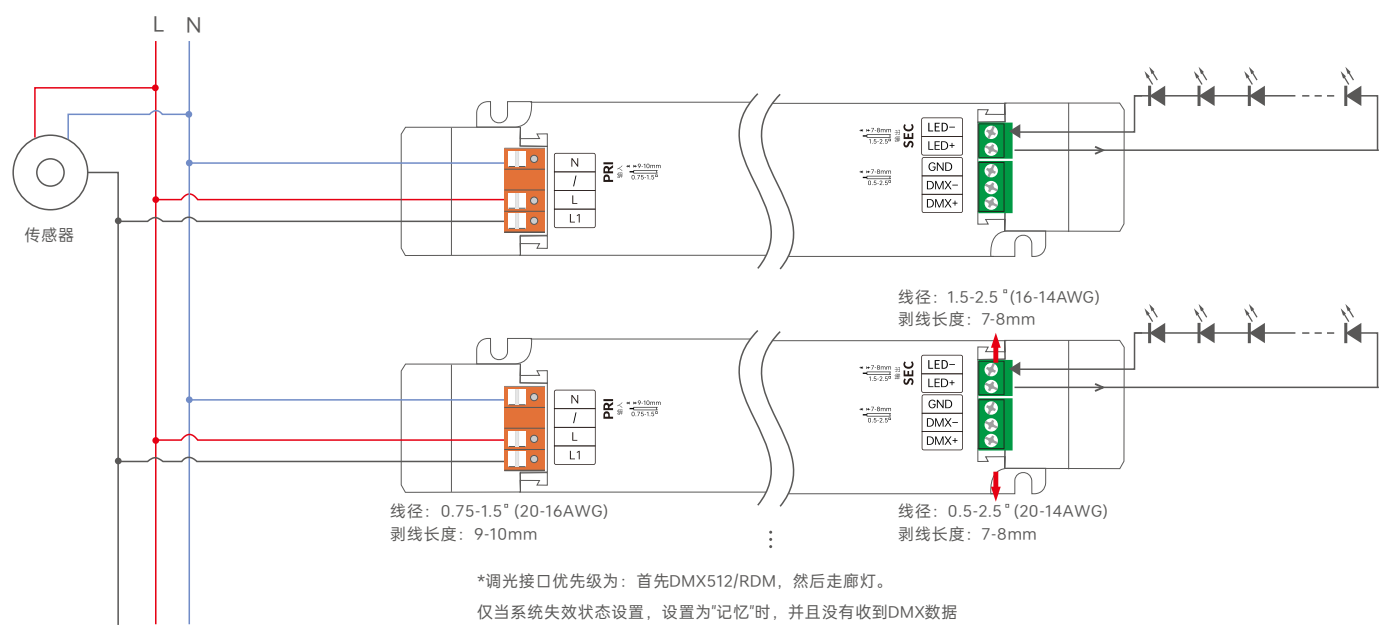
操作说明



复位开关

- 短按开/关控制
- 双击: 无
- 长按: 调节当前亮度
- 调光记忆: 当再次开关时, 灯光会回到先前调整的亮度水平

走廊灯 连接方式

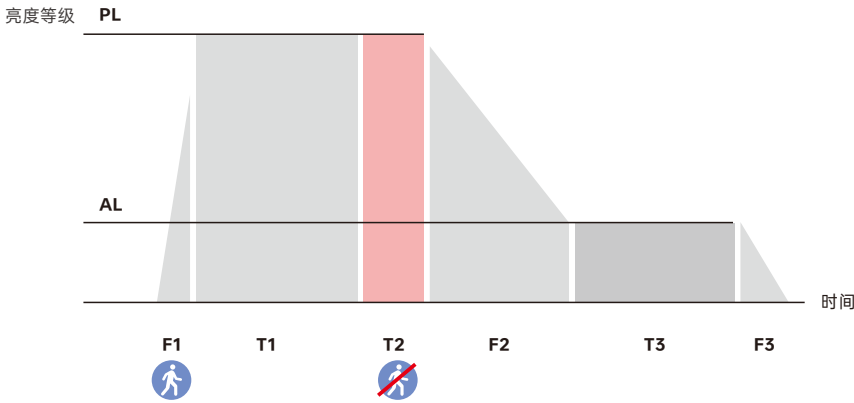


*调光接口优先级为：首先DMX512/RDM，然后走廊灯。
仅当系统失效状态设置，设置为“记忆”时，并且没有收到DMX数据
才能允许其切换到走廊灯模式。
*系统失效状态可通过NFC lighting/WiFi-RDM进行设置。

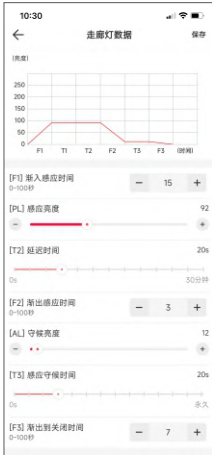
切换至走廊灯模式

- 方式 1: 通过NFC配置并切换走廊灯功能，Push DIM功能关闭。
- 方式 2: 按照走廊调光接线图接好线后，保持有效感应区域内移动并持续2分钟以上，自动切换成走廊调光模式并全亮灯。
- 方式 3: 按照走廊调光接线图接好线后，先将传感器更换为普通开关，然后打开普通开关持续导通2分钟，驱动器将自动切换到走廊调光模式，然后将普通开关移除并更换回传感器。
- 备注: 正常工作时,推荐将移动感应器的维持时间(Hold-time)设置为最小。
需要选用带AC开关的移动感应器。

走廊调光 工作过程



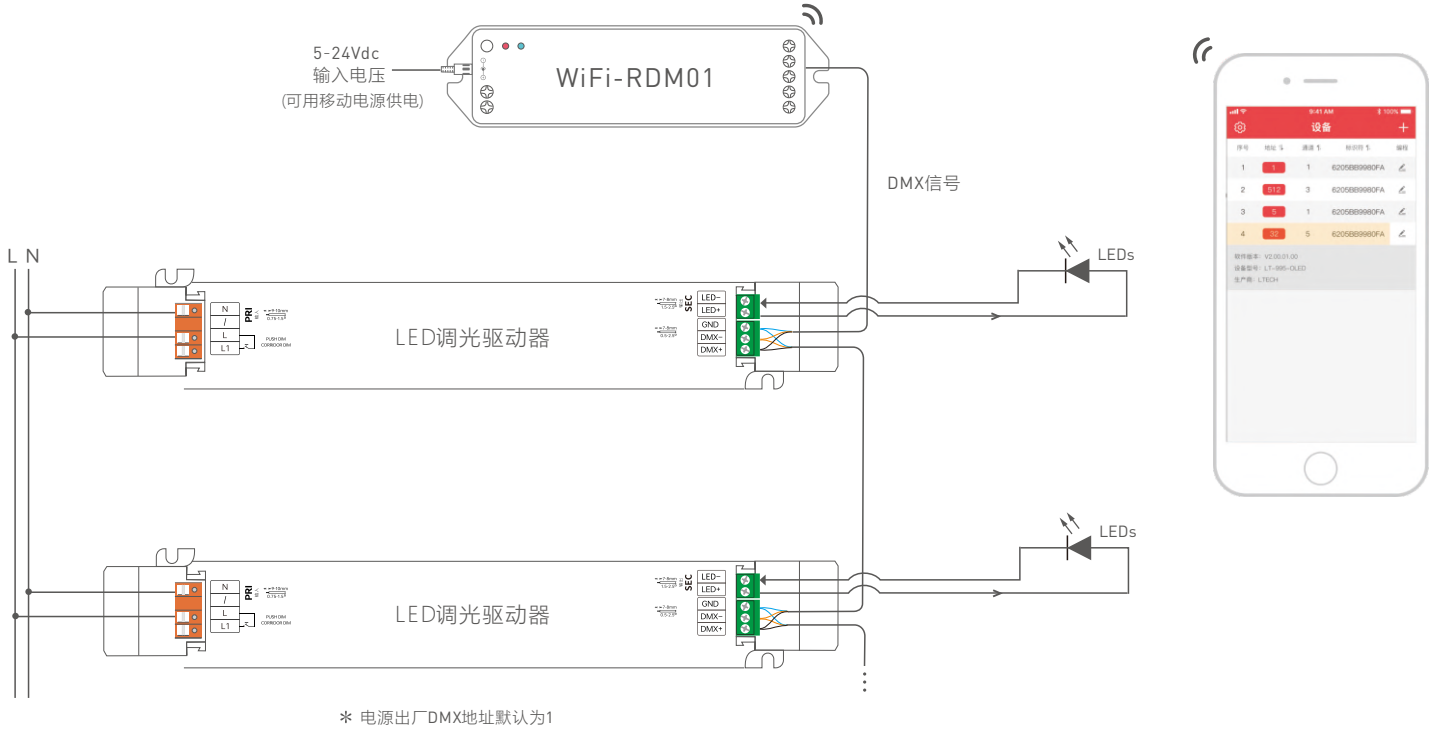
名称	默认	设置范围
(F1) 渐入感应时间	1 秒	0-100 秒
(PL) 感应亮度	255	0-255
(T1) 感应保持时间	通过传感器设置	
(T2) 延迟时间	30 秒	0 秒,5 秒,10 秒,20 秒,30 秒,45 秒,1分钟,2 分钟,3 分钟,5 分钟,10 分钟,20 分钟,30 分钟
(F2) 渐出感应时间	1 秒	0-100 秒
(AL) 守候亮度	100	0-255
(T3) 感应守候时间	30 秒	0 秒,5 秒,10 秒,20 秒,30 秒,45 秒,1 分钟,2 分钟,3 分钟,5 分钟,10 分钟,20 分钟,30 分钟,永久
(F3) 渐出到关闭时间	1 秒	0-100 秒



备注：*如灯需要低亮度守候，需要设置[T3]感应守候时间为永久
*以上参数由NFC lighting APP 设置

DMX地址设置

DMX电源可以与遵从标准RDM协议的地址编辑器配合使用。
建议使用LTECH的RDM编辑器（型号WiFi-RDM01），可实现手机远程浏览与设置参数等更多功能，连接图如下：



LTECH RDM编程器APP界面介绍

手机下载APP，与RDM编辑器连接成功后，即可通过APP设置参数，具体请参看WiFi-RDM01的使用说明书。



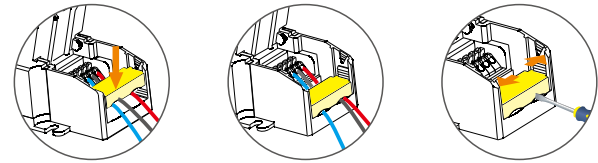
- a：点击“地址”对应方框可编辑地址；
- b：点击“标识符”出现产品详细信息；
- c：点击 按钮，进入设置界面
- d：点击序号发出识别命令。

测试

DMX地址设置

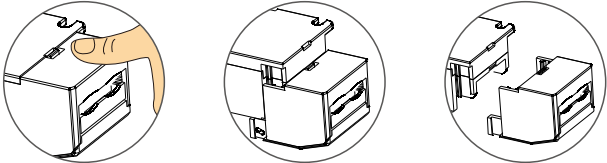
保护盖应用图

压线板



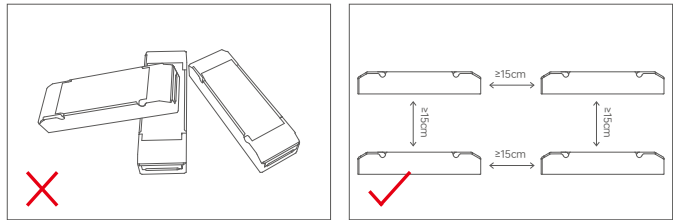
向下推压线板，可固定住线。 向外推侧板的同时，用工具撬即可拆下压线板。

保护盖的拆装

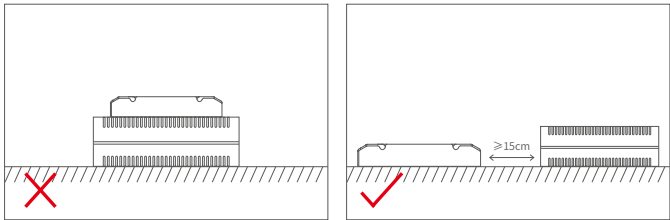


在底部左右掰动，即可将保护盖拆下。

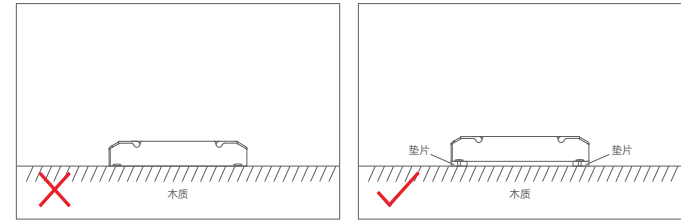
安装注意事项



请勿将产品堆叠摆放，产品与产品间隔距离应 $\geq 15\text{cm}$ ，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 $\geq 15\text{cm}$ ，避免影响产品散热而减少使用寿命。



请勿将产品螺丝固定紧贴于木板，应在固定螺丝下增加 $\geq 7\text{mm}$ 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。

搭配 NFC Lighting APP 使用

通过手机扫描下方二维码，按提示完成APP安装。(因性能需求，要求手机型号苹果：iPhone 8及以上、且操作系统iOS13及以上； 安卓：具备NFC功能机型)



* 设置驱动器参数时，必须在驱动器断电情况下进行操作。

读/写智能电源

使用手机，通过NFC读取驱动器信息，根据需求设置参数后，可直接写入驱动器。

1. 读取驱动器

在APP“首页”点击【读/写智能电源】，将手机感应区域靠近驱动器NFC标识点，读取驱动器参数。



2. 编辑参数

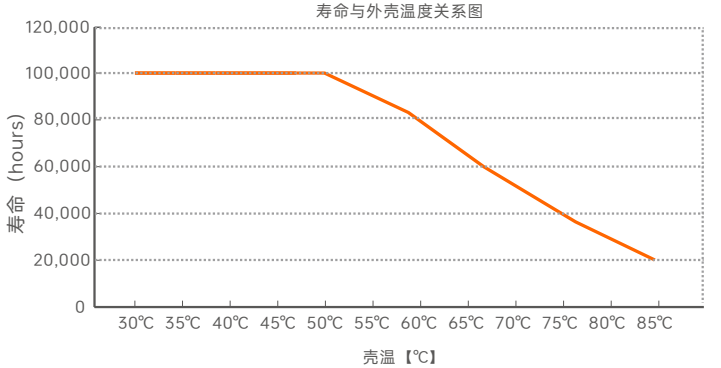
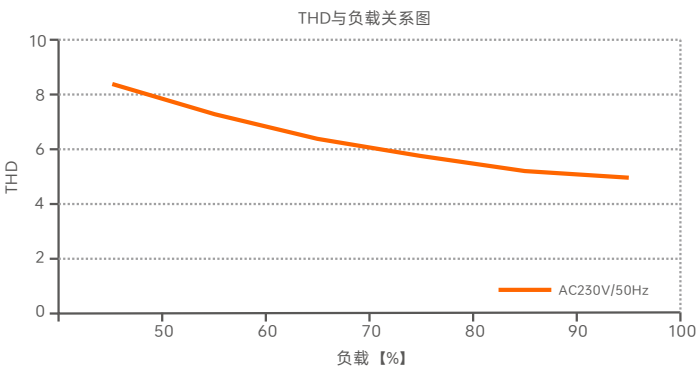
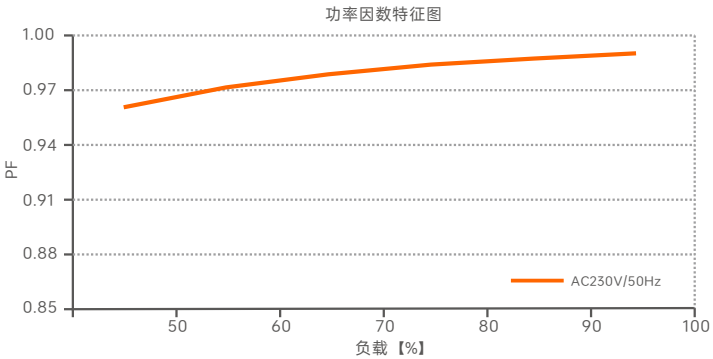
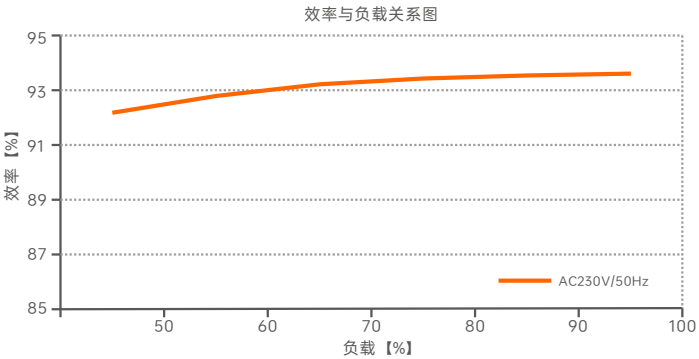
点击【参数管理】可编辑DMX地址、调光曲线、亮度范围、通电渐变时间、通电状态、系统失效状态、走廊灯等参数。

3. 写入驱动器

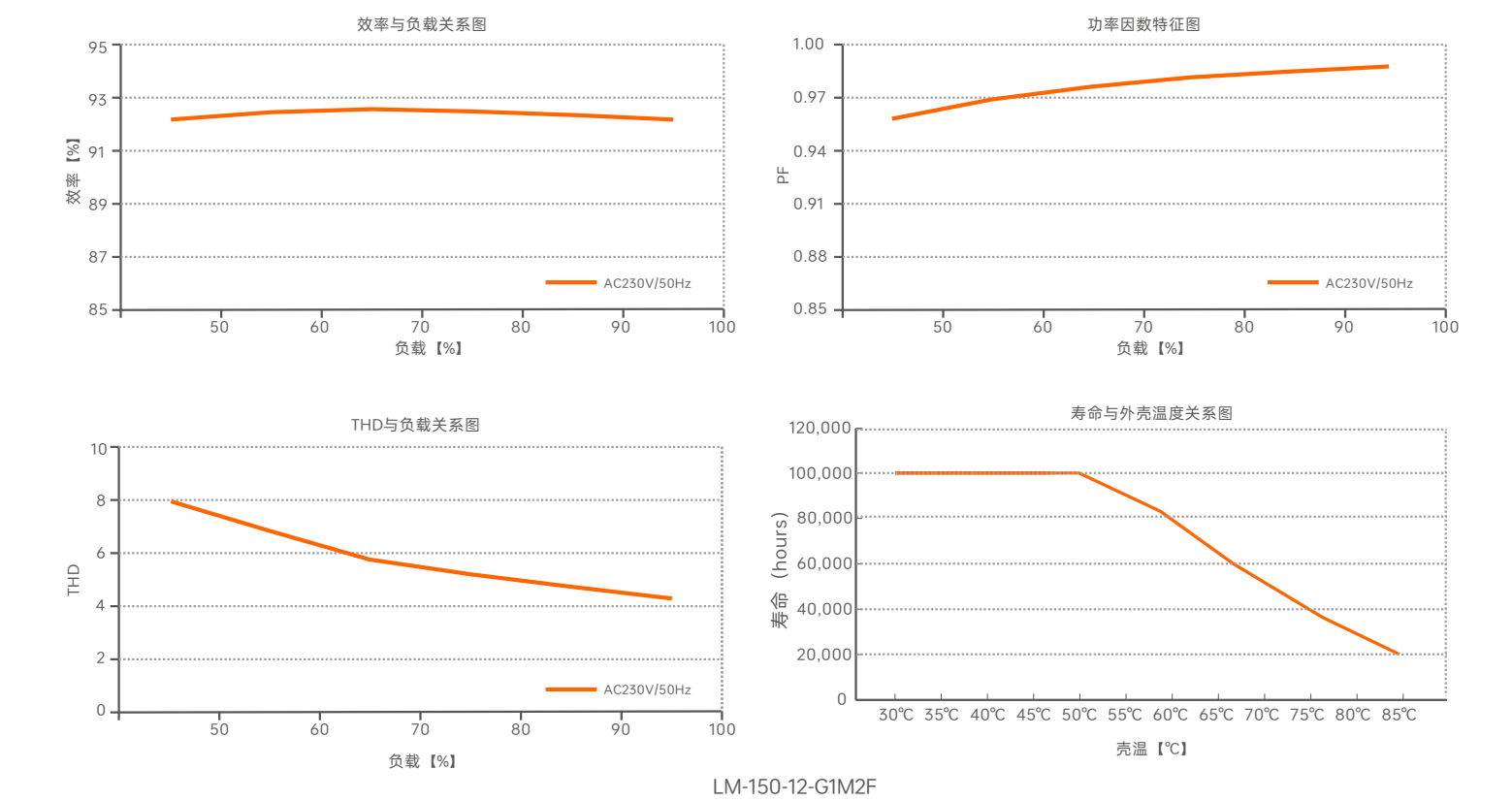
参数设置完成后，点击右上角【写入】，将手机感应区域靠近驱动器NFC标识点，即可写入驱动器成功修改参数。



关系图表



LM-150-24-G1M2F

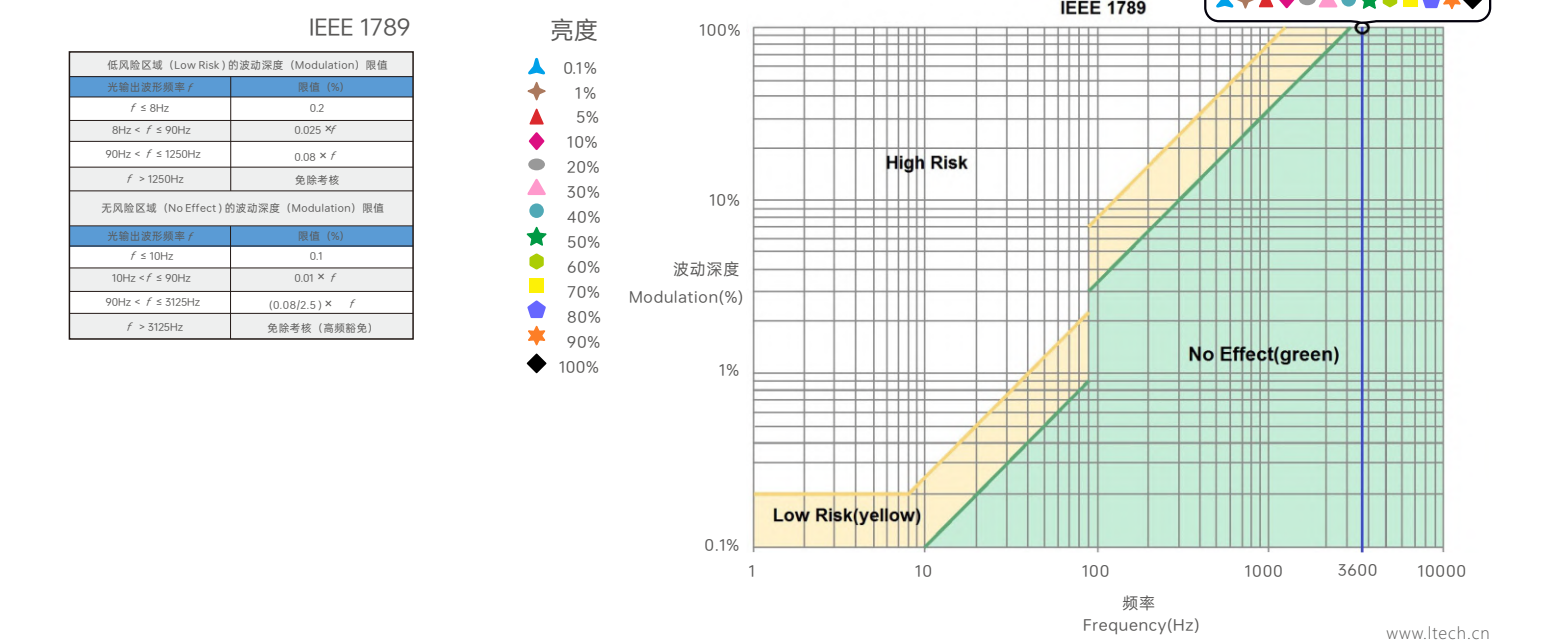


浪涌电流&对应的微型断路器(MCB)下挂载的数量对应表

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, 45.6A/(在50%peak下测试twidth=500us)/230V~;
 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;

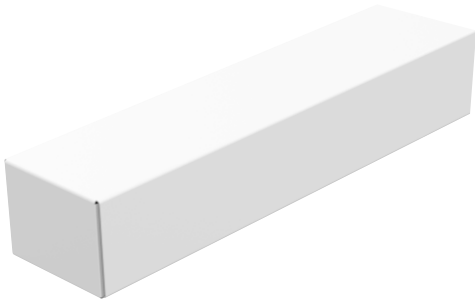
频闪测试表



包装规格

型号	LM-150-24-G1M2F、LM-150-12-G1M2F
包装箱尺寸	370×340×93mm(L×W×H)
数量	10PCS/层；2层/箱；20PCS/箱
重量	0.43kg/PC;9.4kg±5%/箱

包装样式图



内包装盒



整箱包装

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, 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; 如果有疑问, 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	2025.04.11	正稿	黎海鹏