LTSYS

Intelligent LED Driver (Constant Voltage)

LM-150-24-G1D2F
LM-150-12-G1D2F

DALI-2 DT6 Push DIM

NFC

- The housing is made of V0 flame-retardant PC material, sourced from SAMSUNG/COVESTRO.
- Features a tool-free clamshell design with detachable end caps, allowing length adjustment as needed.
- Dimming mode, brightness range, and DALI configuration templates can be set via NFC using the mobile app.
- Two independent SELV constant voltage output channels.
- Supports DALI-2 DT6, Push DIM, and corridor light DIM modes.
- Compatible with i-Data and DALI Part 251, 252, 253.
- Supports deep dimming from 0–100%, with a minimum dimming level of 0.01%.
- High-efficiency driver with 93% efficiency, power factor > 0.98, and THD < 6%.
- In compliance with the EU ERP Directive, standby power consumption is below 0.5W.
- Equipped with an advanced thermal management system to protect internal components.
- Includes protections against overheating, overload, short circuit, and open circuit.
- Suitable for Class I / II / III indoor luminaires.
- Designed for a service life exceeding 100,000 hours under normal operating conditions.
- 5-year warranty (Rubycon capacitor).

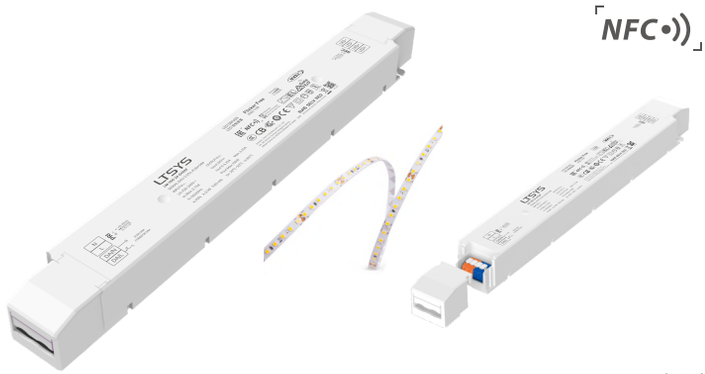
DALI 2

Flicker-Free
IEEE 1789
Achieve the exemption level.

Dimmable:
1:10000

CORRIDOR DIM

iData



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

PWM Digital dimming

Over Temp. Protection

Over voltage protection

Over Load Protection

Short Circuit Protection

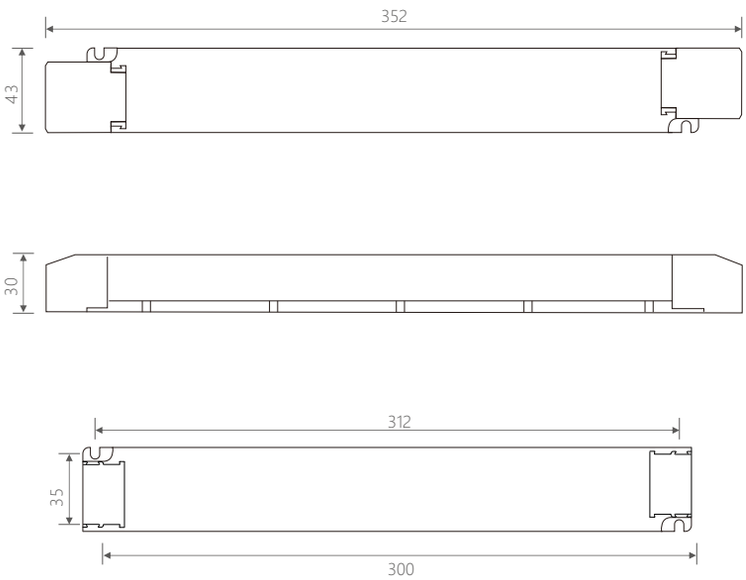
Technical Specs

Model		LM-150-24-G1D2F			LM-150-12-G1D2F
OUTPUT	Output Voltage	24V⎓			12V⎓
	Output Voltage Range	24V ± 0.5V⎓			12V ± 0.5V⎓
	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	≥102%			
	Ripple & Noise	Switch ripple≤200mV, noise≤500mV			Switch ripple≤200mV, noise≤800mV
	PWM Frequency	300-22000Hz			
INPUT	Dimming Interface	DALI-2 DT6，Push DIM			
	AC Voltage Range	220-240V~			
	DC Voltage Range	220-240V⎓ (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℃ tc: 85℃			
	Working Humidity	20 ~ 95%RH, non-condensing			
	Storage Temperature/Humidity	-40 ~ 80℃, 10~95%RH			
	Temperature Coefficient	±0.03%/℃(0-50℃)			
	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≥102%, auto recovers			
	Overheat Protection	Intelligently adjust or turn off the output current if the PCB temperature ≥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≥28V, and recover automatically			Shut down the output when no-load voltage≥16V, and recover automatically
SAFETY & EMC	Withstand Voltage	I/P-O/P: 3750V~			
	Insulation Resistance	I/P-O/P: 100MΩ/500VDC/25℃/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	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≤1.0，SVM≤0.4	
	DF	Phase factor		DF≥0.9	
OTHERS	Weight(N.W.)	430g±10g			
	Dimensions	352×43×30mm(L×W×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.

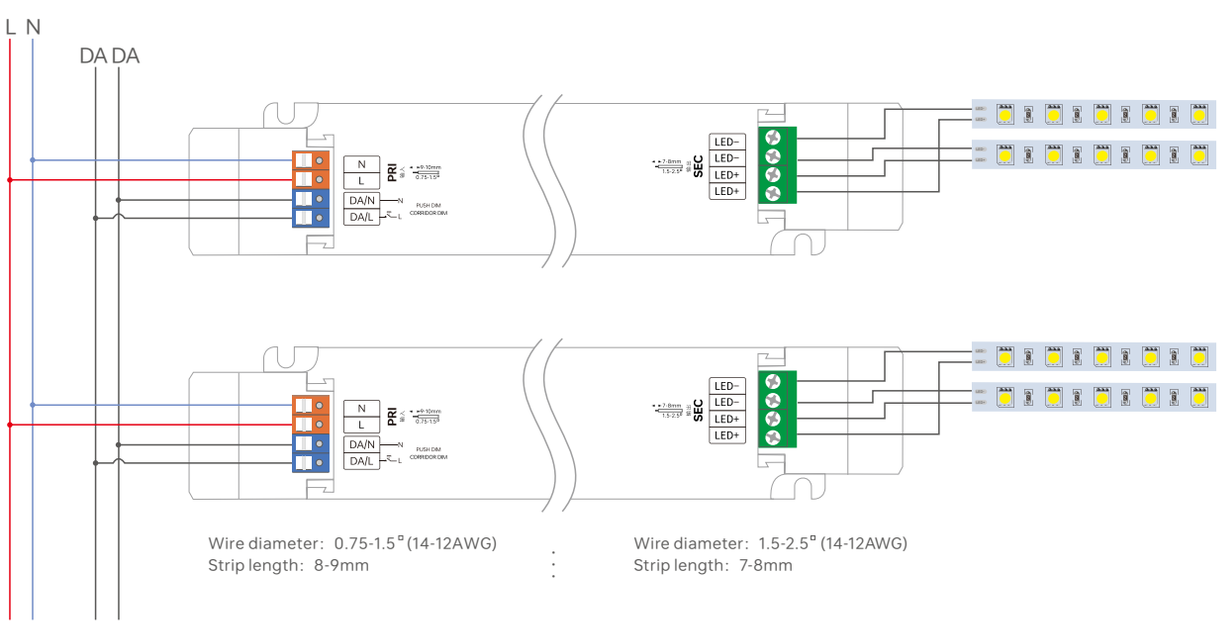
Product Size

Unit： mm



Wiring Diagram

DALI Connection



Wire diameter: 0.75-1.5㎟ (14-12AWG)
Strip length: 8-9mm

Wire diameter: 1.5-2.5㎟ (14-12AWG)
Strip length: 7-8mm

Switch to DALI Dimming Mode.

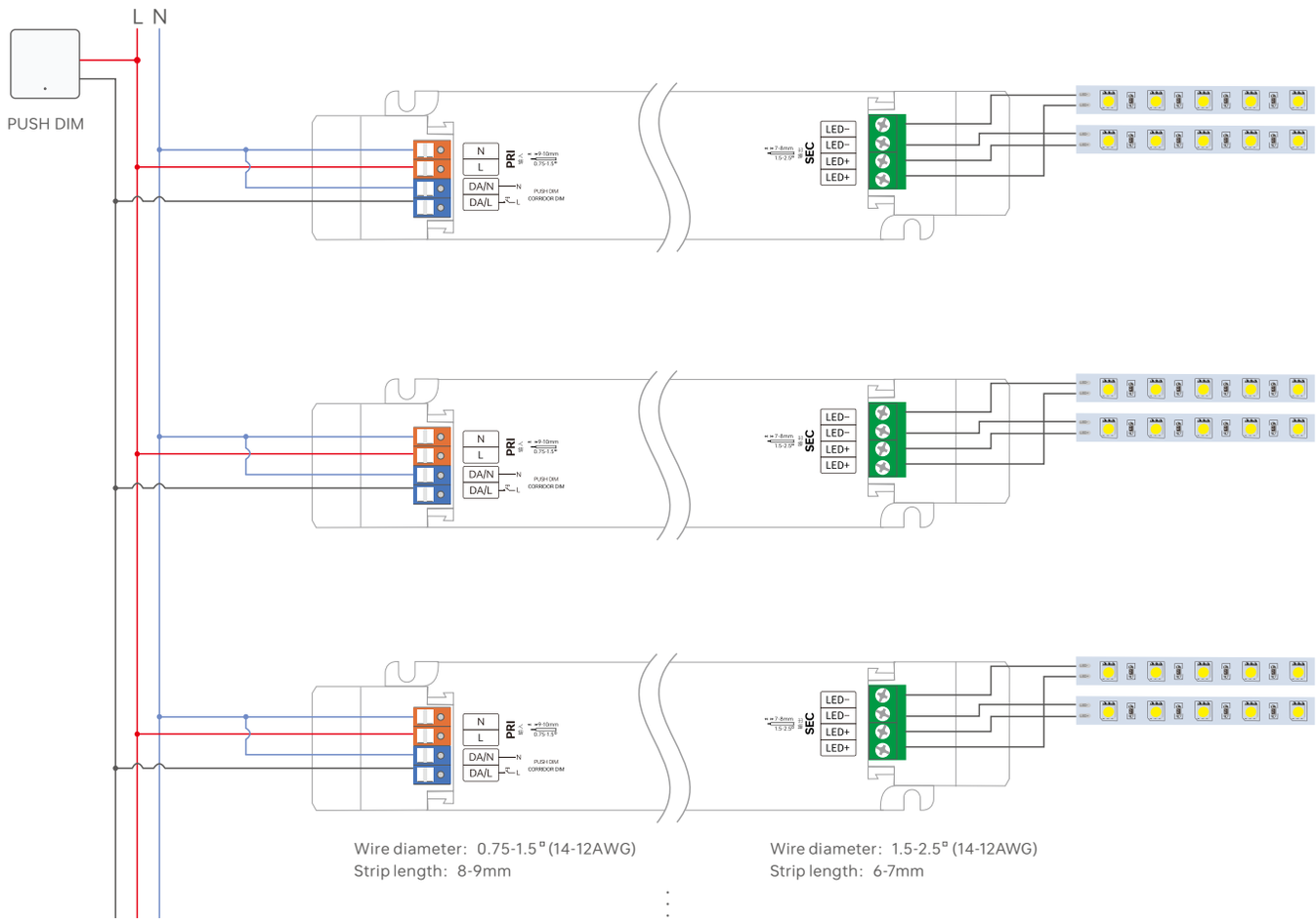
After installation according to the wiring diagram of the DALI dimming application, the driver will automatically switch to the DALI dimming mode upon receiving any DALI command.

LTSYS

LM-150-24-G1D2F
LM-150-12-G1D2F

DALI-2 DT6
Push DIM

PUSH DIM Dimming Application



* Dimmer buttons are disabled under DC voltage input.
* Dimming interface priority: DALI takes precedence over Push DIM

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.

Note: If the DALI master controller is not connected, the default mode is the Push DIM mode at the factory

Push DIM

Reset Switch

Short press : on/off control.

Double-click: Not available.

Long press : Adjust the current brightness.

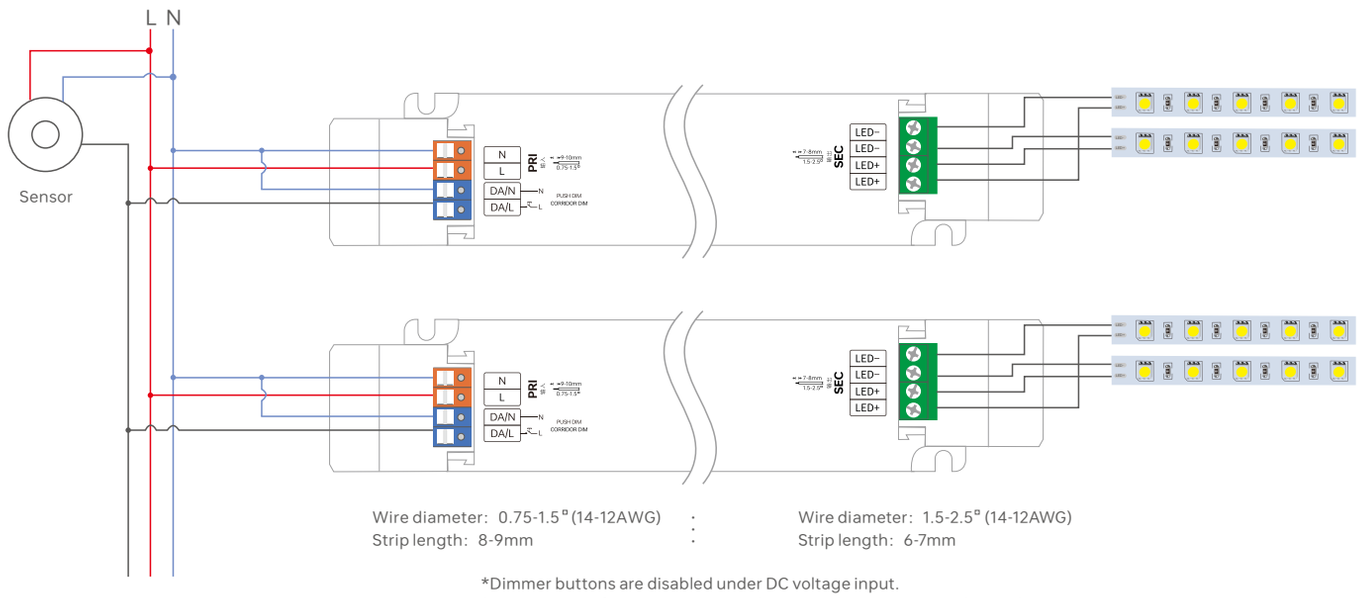
Dimming memory : When the light is switched on/off again, the light will resumes to the previously set brightness level.

LTSYS

LM-150-24-G1D2F
LM-150-12-G1D2F

DALI-2 DT6
Push DIM

Corridor Dimming Application



Wire diameter: 0.75-1.5㎟ (14-12AWG)
Strip length: 8-9mm

Wire diameter: 1.5-2.5㎟ (14-12AWG)
Strip length: 6-7mm

*Dimmer buttons are disabled under DC voltage input.
*Dimming interface priority: DALI takes precedence over Corridor Mode.

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.

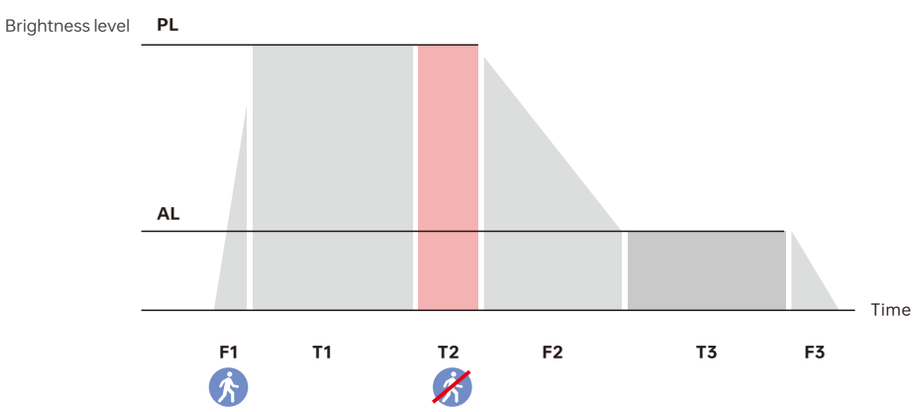
Method 2: After connecting the wires according to the corridor dimming wiring diagram, keep moving within the effective sensing area for more than 2 minutes, and it will automatically switch to the corridor dimming mode with all lights on at full brightness.

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.

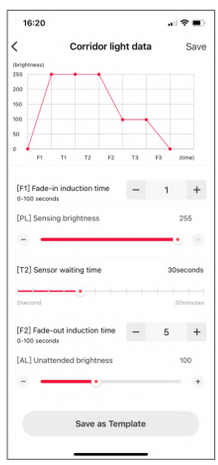
Note: During normal operation, it is recommended to set the hold-time of the motion sensor to the minimum.

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

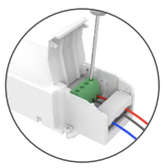


Note: *If the lamp needs to be on standby at a low brightness level, the [T3] Sensing Standby Time should be set to "Permanent".
*The above parameters are set through the NFC lighting APP.

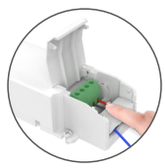
Protective Housing Application Diagram

Tension plate

1. Pry up the protecting housing in the side plate position with a tool.

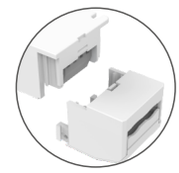


2. Connect to electrical wires with a screwdriver as wiring diagram shows.



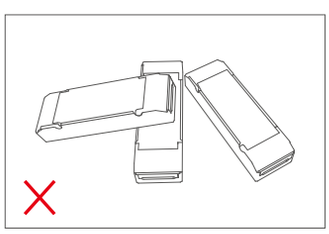
3. Press down the tension plate to fix the the electrical wires, then close the protective housing.

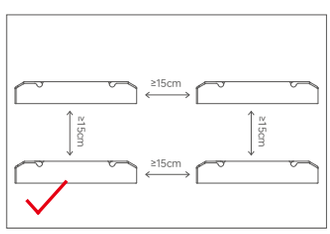
Remove the protective housing



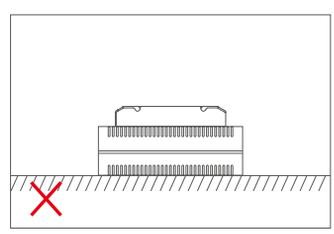
Pull the housing left and right from the bottom to remove it.

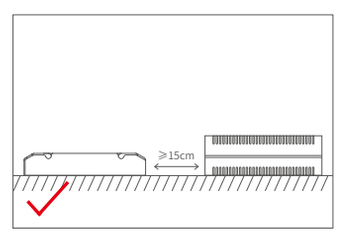
Installation Precautions



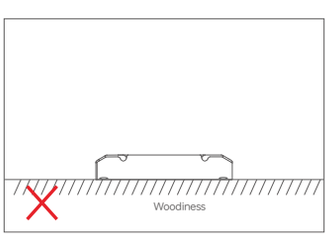


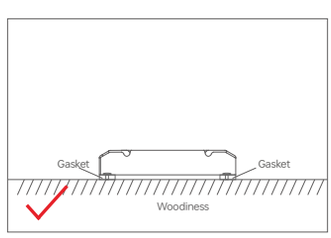
Please do not stack the products. The distance between two products should be ≥15cm so as not to aśect heat dissipation or the lifetime of the products.





Please not place the products on power supplies. The distance between the product and the power supplies should be ≥15cm so as not to aśect 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 ≥ 7mm 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

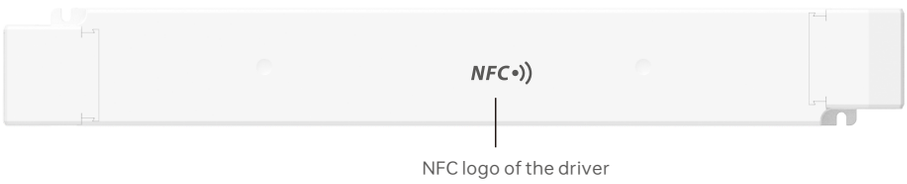
Scan the QR code below with your mobile phone and follow the prompts to complete the APP installation (According to performance requirements, you need to use a NFC-capable Android phone, or an iphone 8 and later that are compatible with iOS 13 or higher).

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

Read/Write the LED driver

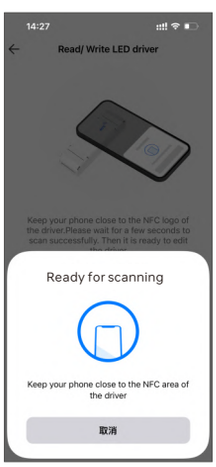
Use your NFC-capable phone to read LED driver data, then edit the parameters and they can be directly written to the driver

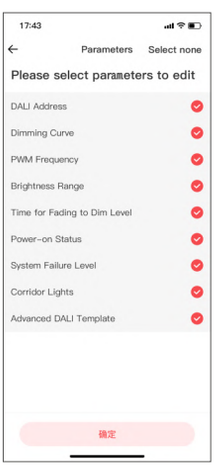
1.Read the LED driver
On the APP home page, click【Read/Write LED driver】, then keep the programmer's sensing area close to the NFC logo of the driver to read the driver parameters.



2. Edit parameters
Click on [Parameter Management] to edit more advanced parameters such as DALI address, dimming curve, PWM frequency, brightness range, time for fading to dim Level, power-on status, corridor lights, and Advanced DALI Template.

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

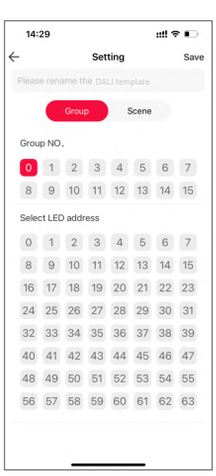


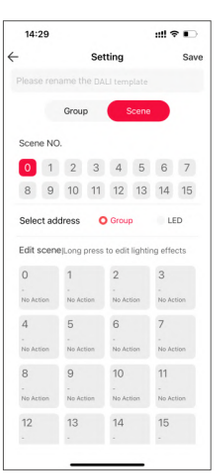


Advanced DALI template

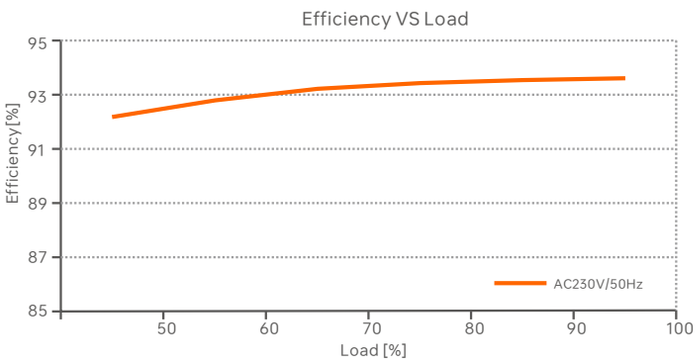
Integrate the functions of the DALI lighting system, edit the DALI group and lighting effects for scenes, then save them in the advanced template to achieve lighting programming.

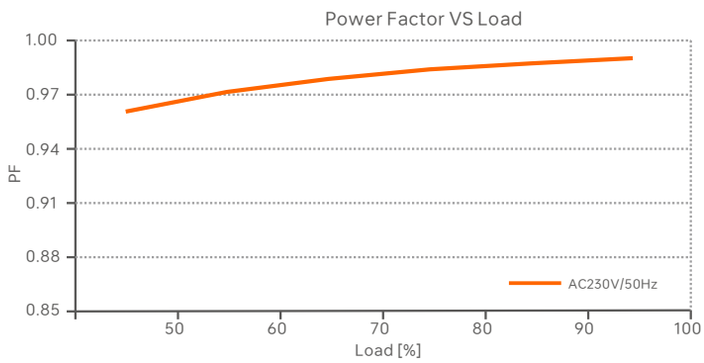
Setup page (for Read/Write LED driver) : Go to App home page — 【⚙】 icon in the top right —【DALI template on pnone】.

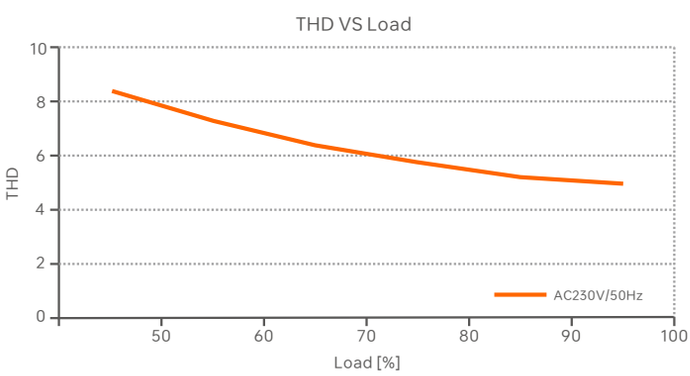


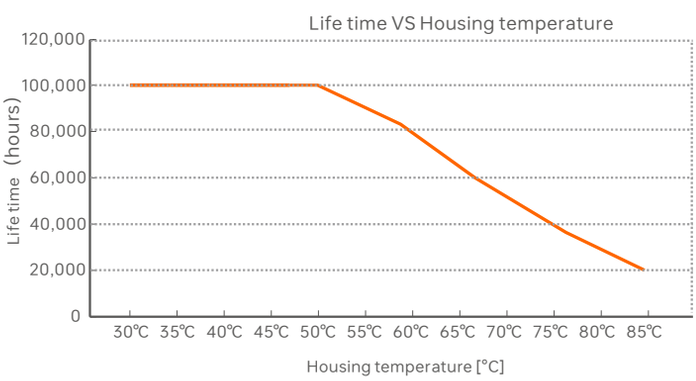


Relationship Diagrams

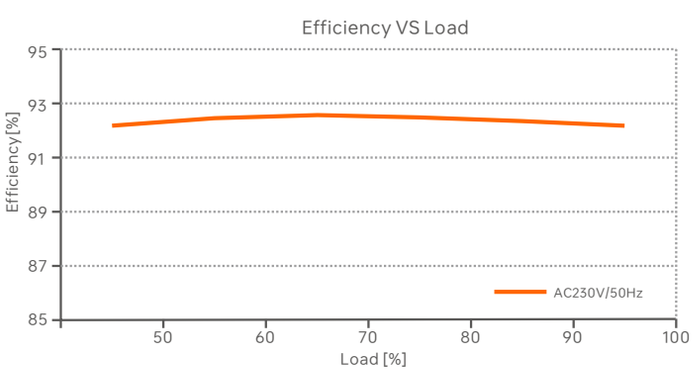


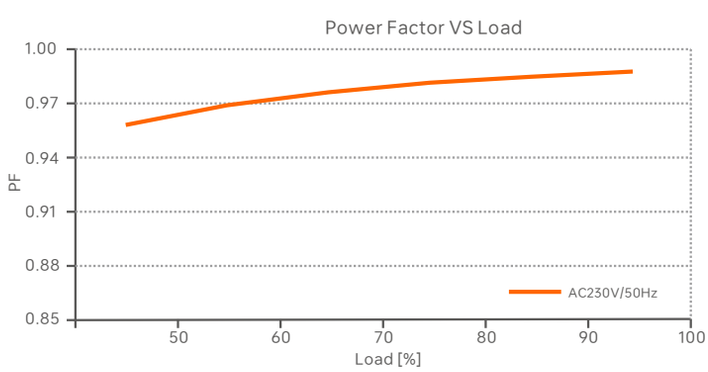


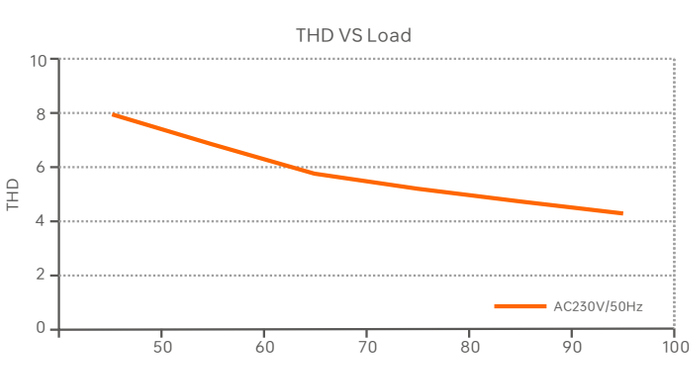


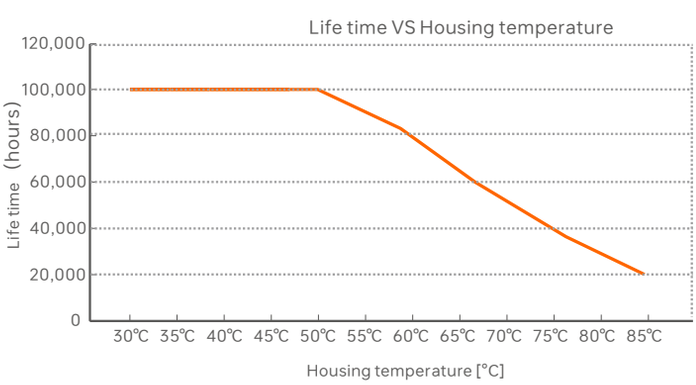


LM-150-24-G1D2F









LM-150-12-G1D2F

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

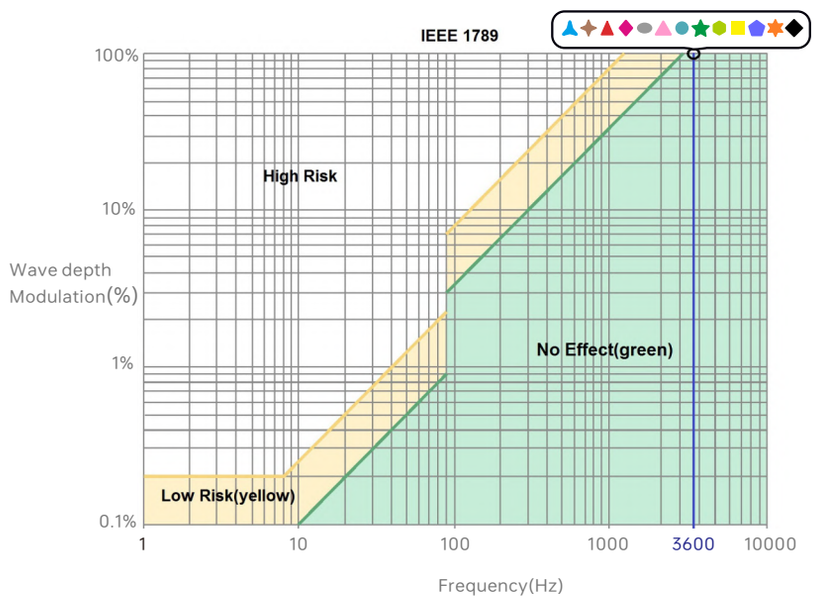
IEEE 1789

Modulation (depth of fluctuation) limits for low-risk areas	
Optical output waveform frequency *f*	Limit value (%)
f ≤ 8Hz	0.2
8Hz < *f* ≤ 90Hz	0.025× *f*
90Hz < *f* ≤ 1250Hz	0.08× *f*
f > 1250Hz	Exemption from examination
The depth of Modulation (Modulation) limit for the no-effect zone	
Optical output waveform frequency *f*	Limit value (%)
f ≤ 10Hz	0.1
10Hz < *f* ≤ 90Hz	0.01× *f*
90Hz < *f* ≤ 3125Hz	(0.08/2.5)× *f*
f > 3125Hz	Test exemption (high frequency exemption)

luminance

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

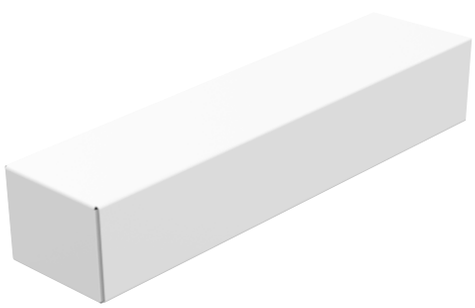
Test exemption
(high frequency exemption)



Packaging specification

Model	LM-150-24-G1D2F、LM-150-12-G1D2F
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

LTSYS

LM-150-24-G1D2F
LM-150-12-G1D2F

DALI-2 DT6
Push DIM

LED 智能调光驱动器 (恒压型)

- 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可更改调光方式、亮度范围、DALI模板等，实现驱动器数据交互功能
- 两个独立的SELV恒压输出通道
- 支持DALI-2 DT6、PUSH DIM、走廊灯调光
- 支持i-Data，DALI part 251，252，253
- 调光范围0~100%, LED从0.01%开始调光
- 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）

DALI 2

无频闪
IEEE 1789
高频豁免级别

Dimmable:
1:10000

CORRIDOR DIM

iData

NFC

SELV RoHS

认证图标仅代表产品正在进行这一系列的认证申请，认证资质以产品实物为准。

PWM 数字调光 | 过温保护 | V 过压保护 | 过载保护 | 短路保护

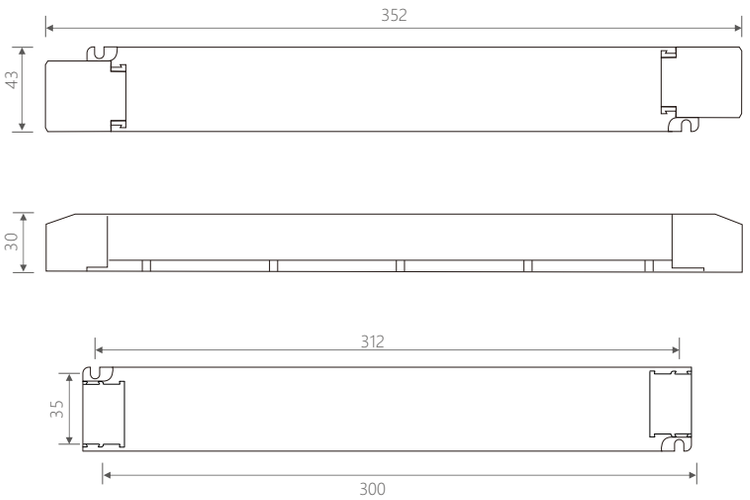
技术参数

型号		LM-150-24-G1D2F	LM-150-12-G1D2F
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	调光接口	DALI-2 DT6，Push DIM	
	输入电压	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℃ tc: 85℃	
	工作湿度	20 ~ 95%RH, 无冷凝	
	储存温度/湿度	-40 ~ 80℃, 10~95%RH	
	温度系数	±0.03%/℃(0-50℃)	
	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℃)，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℃/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	
	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)	

本款驱动器适合连接电阻限流的LED灯具(如LED灯条)。如果连接内置恒流IC限流的灯具，会产生几十倍的瞬间浪涌电流，导致驱动器会执行过载保护(打嗝频闪)。下单时这类内置恒流IC限流的灯具需要注明(如MR16灯杯、地埋灯、洗墙灯、恒流硬灯条等)，以便烧写特殊程序。

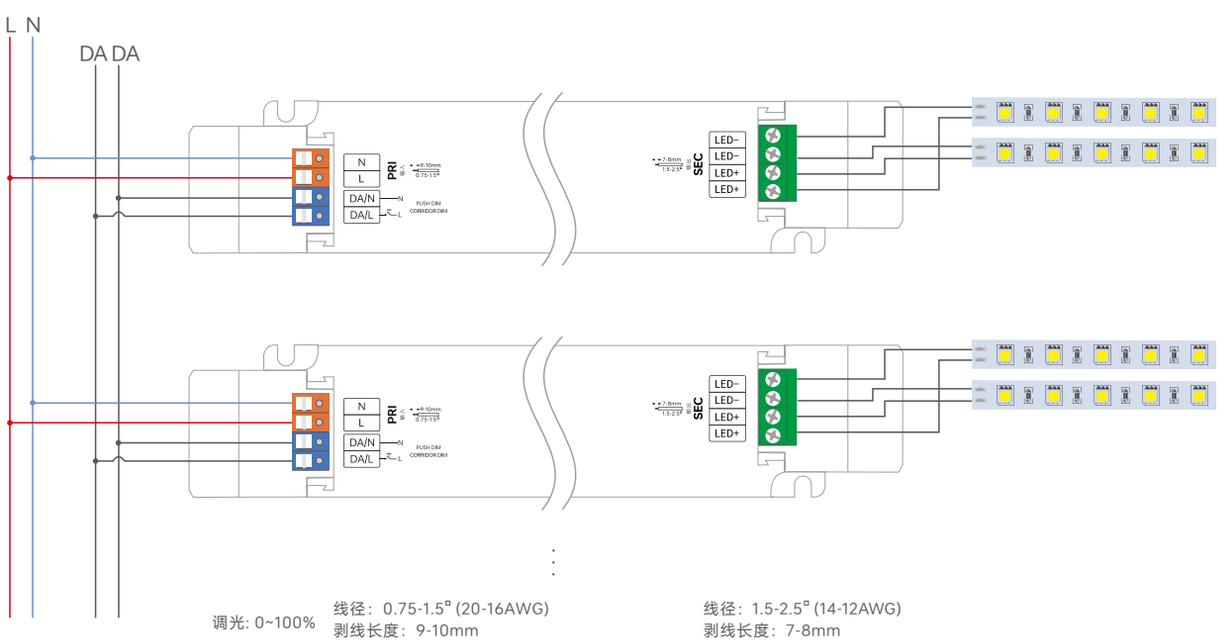
尺寸图

单位：mm



连接应用图

DALI 连接方式



调光: 0~100%

线径：0.75-1.5㎟ (20-16AWG)
剥线长度：9-10mm

线径：1.5-2.5㎟ (14-12AWG)
剥线长度：7-8mm

切换至DALI调光模式

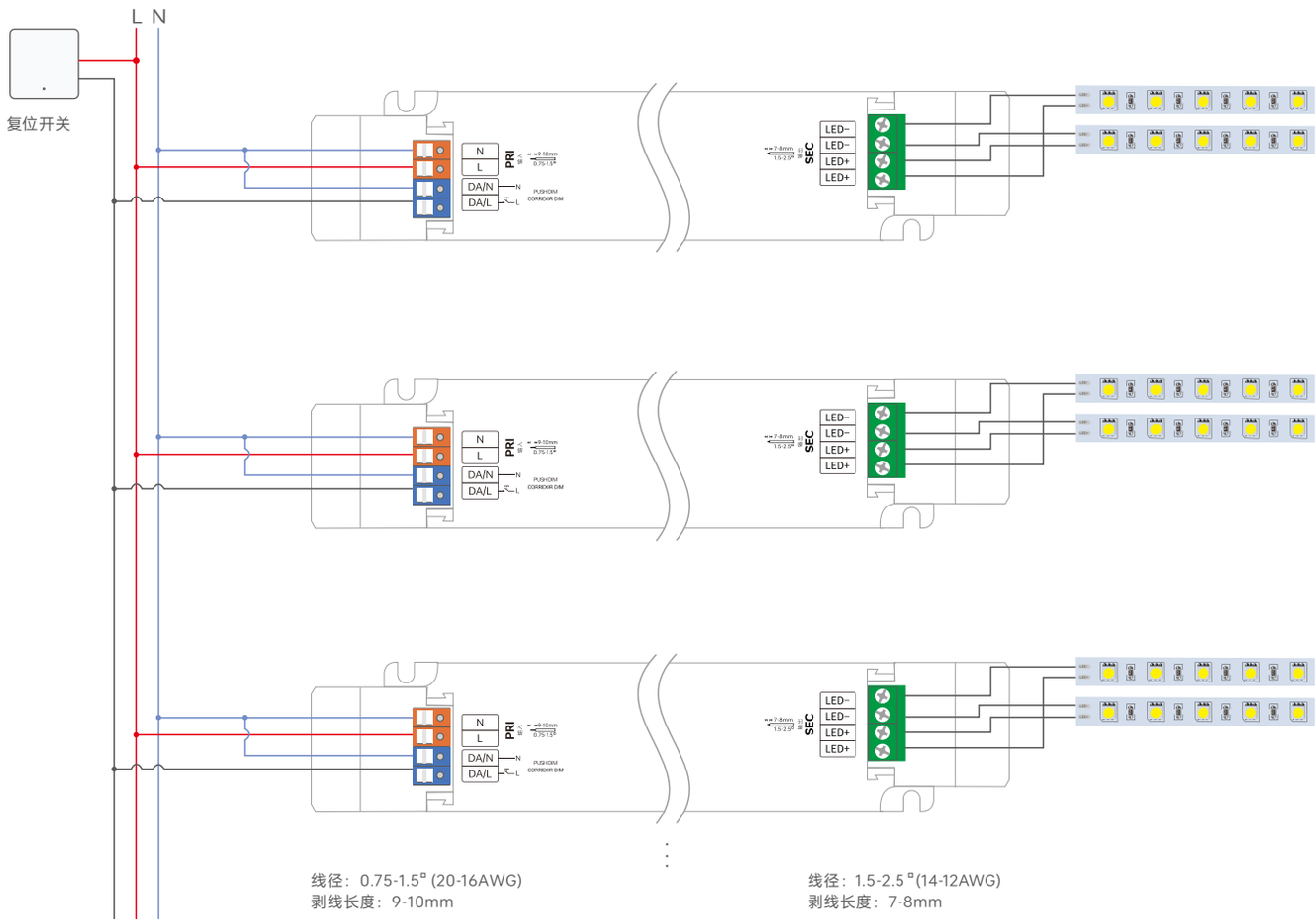
按照DALI调光应用的接线图安装好后，驱动器收到任意DALI命令后将自动切换到DALI调光工作模式。

LTSYS

LM-150-24-G1D2F
LM-150-12-G1D2F

DALI-2 DT6
Push DIM

PUSH DIM 连接方式



线径：0.75-1.5㎟ (20-16AWG)
剥线长度：9-10mm

线径：1.5-2.5㎟(14-12AWG)
剥线长度：7-8mm

*在直流电压输入的情况下，按键调光无效
*调光接口优先级为：优先DALI，然后PushDIM。

切换至PUSH DIM调光模式

方式 1: 若是已切换至走廊调光模式，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: 若是已切换至走廊模式，可以通过NFC Lighting app切换成 Push DIM调光模式。

备注：若是没有接DALI主控，出厂默认是Push DIM模式。

Push DIM

复位开关

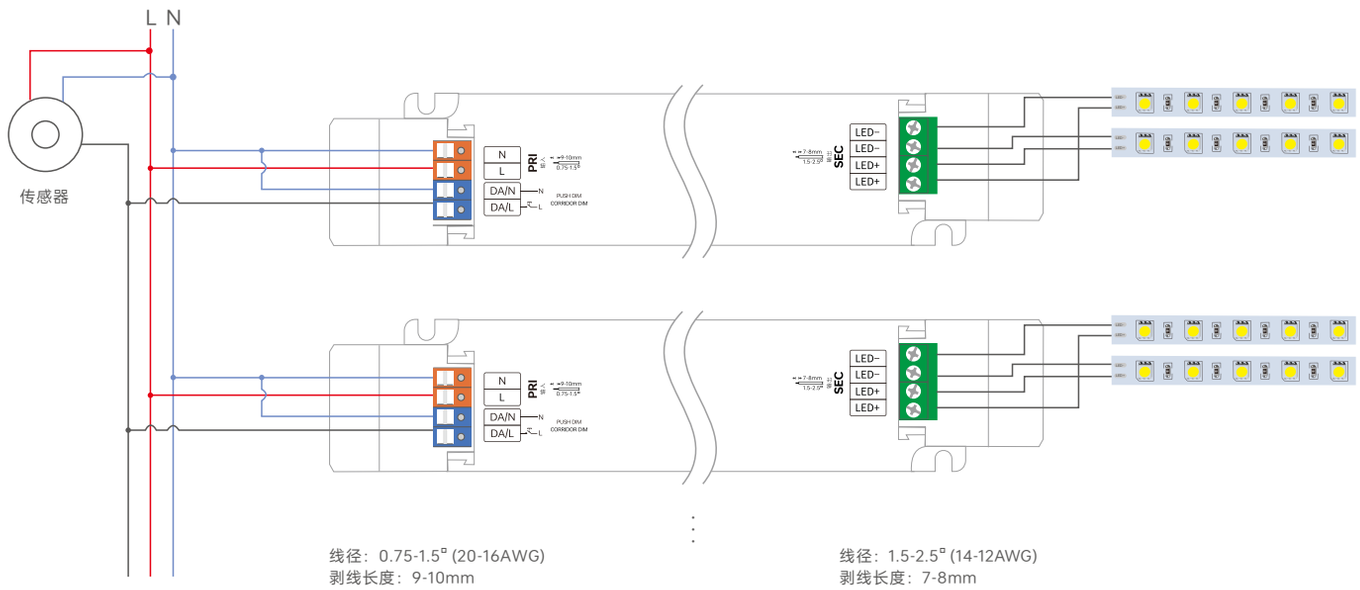
- 短按开/关控制
- 双击：无
- 长按：调节当前亮度
- 调光记忆：当再次开关时，灯光会回到先前调整的亮度水平

LTSYS

LM-150-24-G1D2F
LM-150-12-G1D2F

DALI-2 DT6
Push DIM

走廊灯 连接方式



线径：0.75-1.5㎟ (20-16AWG)
剥线长度：9-10mm

线径：1.5-2.5㎟ (14-12AWG)
剥线长度：7-8mm

*在直流电压输入的情况下，按键调光无效
*调光接口优先级为：优先DALI，然后走廊灯。

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。

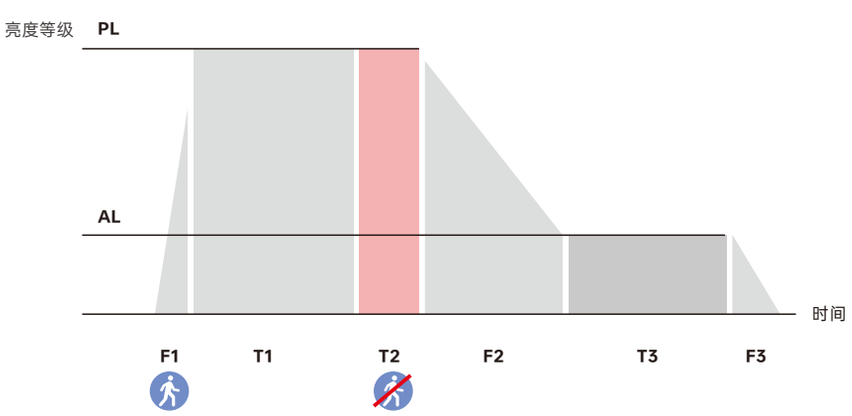
方式 2: 按照走廊调光接线图接好线后，保持有效感应区域内移动并持续2分钟以上，自动切换成走廊调光模式并全亮灯。

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



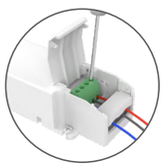
名称	默认	设置范围
(F1) 渐入感应时间	1 秒	0-100 秒
(PL) 感应亮度	255	0-255
(T1) 感应保持时间	通过传感器设置	
(T2) 延迟时间	30 秒	0 秒,5 秒,10 秒,20 秒,30 秒,45 秒,1分钟, 2 分钟, 3 分钟,5 分钟,10 分钟,20 分钟,30 分钟
(F2) 渐出感应时间	1 秒	0-100 秒
(AL) 守候亮度	100	0-255
(T3) 感应守候时间	30 秒	0 秒,5 秒,10 秒,20 秒,30 秒,45 秒,1 分钟, 2 分钟,3 分钟,5 分钟,10 分钟,20 分钟,30 分钟,永久
(F3) 渐出到关闭时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

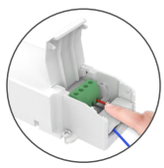
保护盖应用图

压线板

1. 使用工具撬起压线板侧边即可拆下。

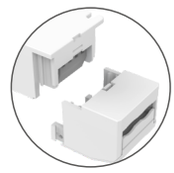


2. 使用螺丝批按照接线图接线。



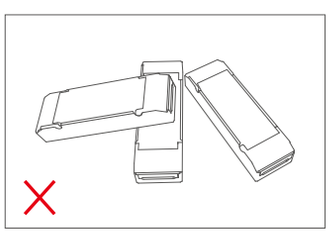
3.向下按压压线板固定住线合上保护盖即可。

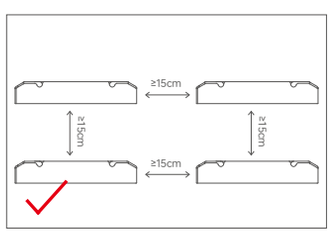
保护盖的拆装



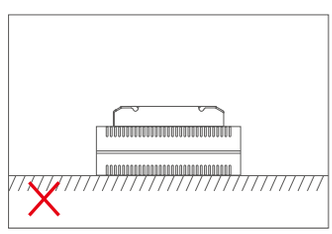
在底部左右掰动，即可将保护盖拆下。

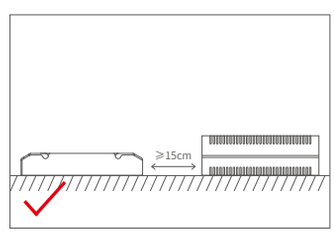
安装注意事项



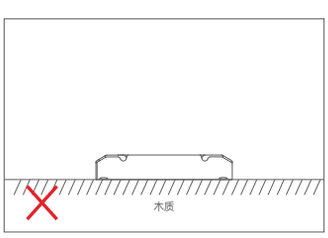


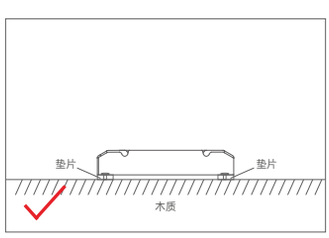
请勿将产品堆叠摆放，产品与产品间隔距离应≥15cm，避免影响产品散热和使用寿命。





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。





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。

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

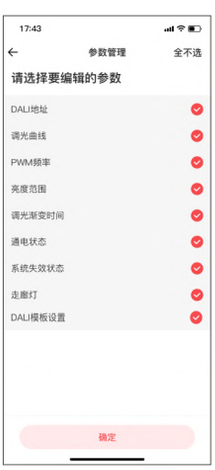
在APP“首页”点击 【读/写智能电源】， 将手机感应区域靠近驱动器NFC标识点， 读取驱动器参数。

2. 编辑参数

点击【参数管理】可编辑DALI地址、调光曲线、PWM频率、亮度范围、调光渐变时间、通电状态、系统失效状态、走廊灯、以及DALI模板设置等更多高级参数。

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。

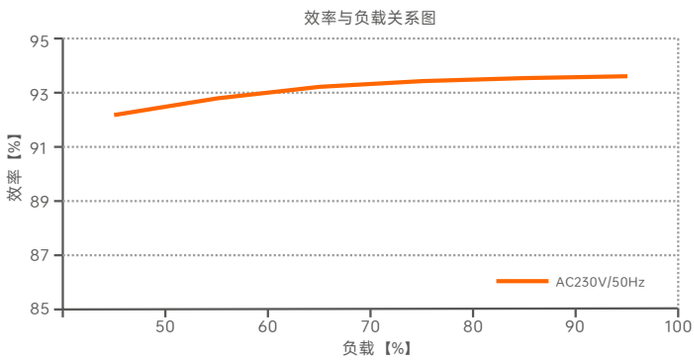


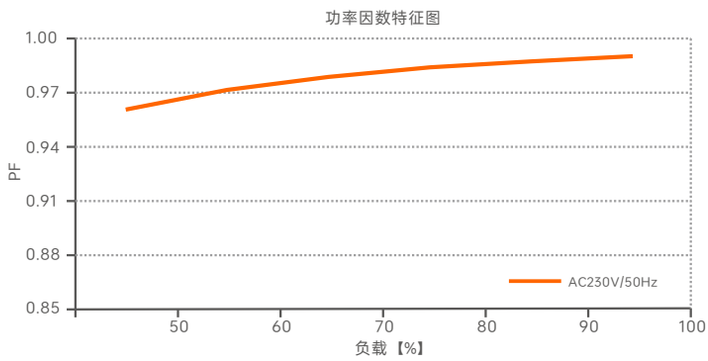
DALI高级模板

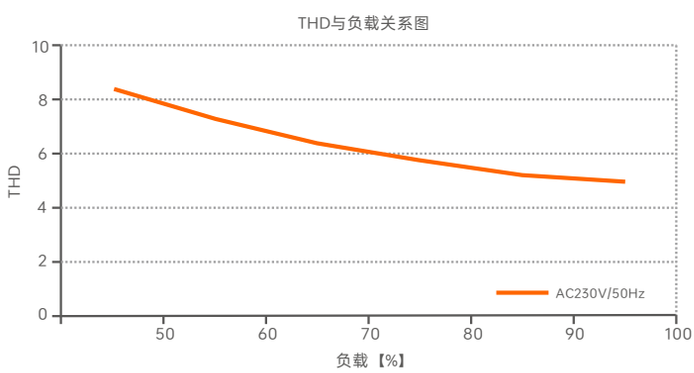
整合DALI灯光系统的设置功能，编辑DALI群组和场景的灯光效果并保存为高级模板，实现灯光编程。

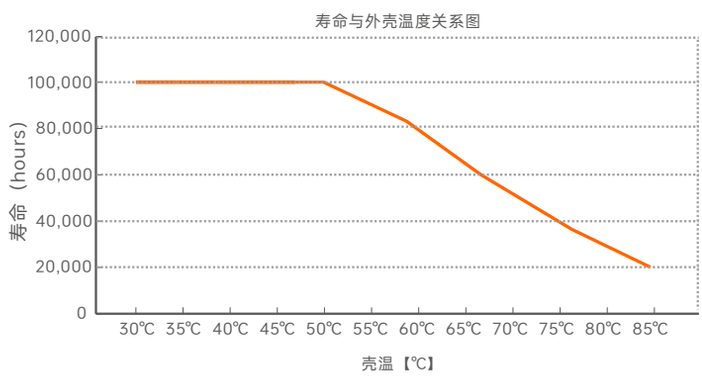
读/写智能电源设置入口：APP首页 — 右上角【 ⎔ 】图标 —【手机本地的DALI高级模板】

关系图表

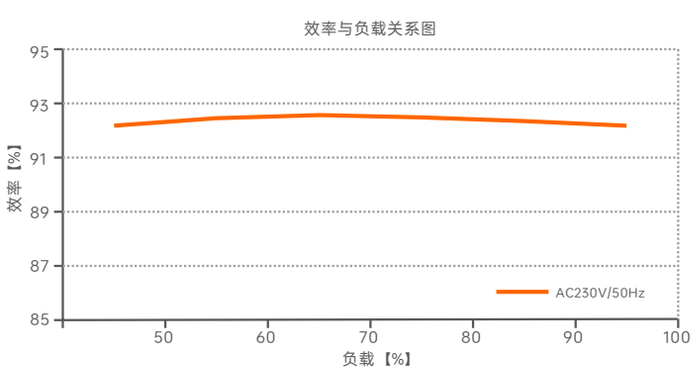


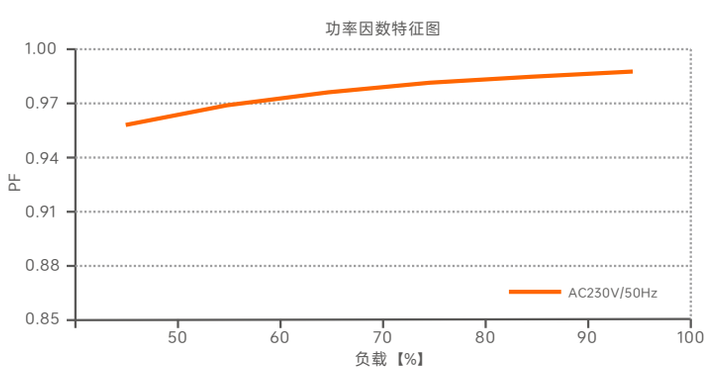


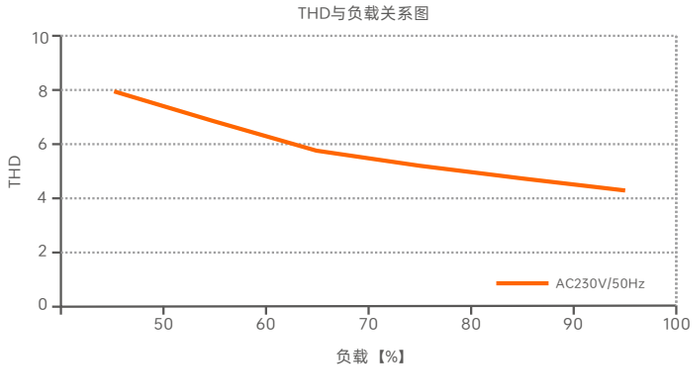


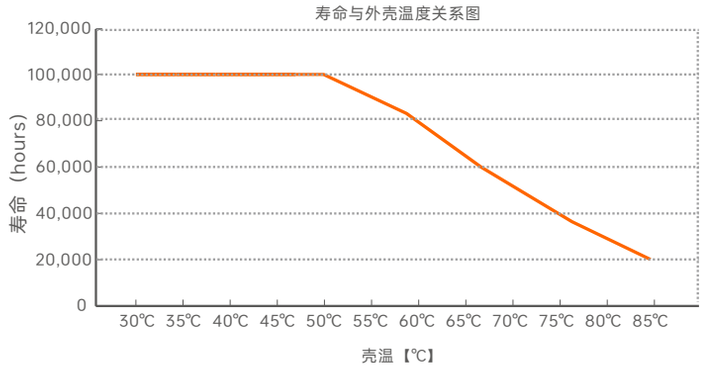


LM-150-24-G1D2









LM-150-12-G1D2

浪涌电流&对应的微型断路器(MCB)下挂载的数量对应表

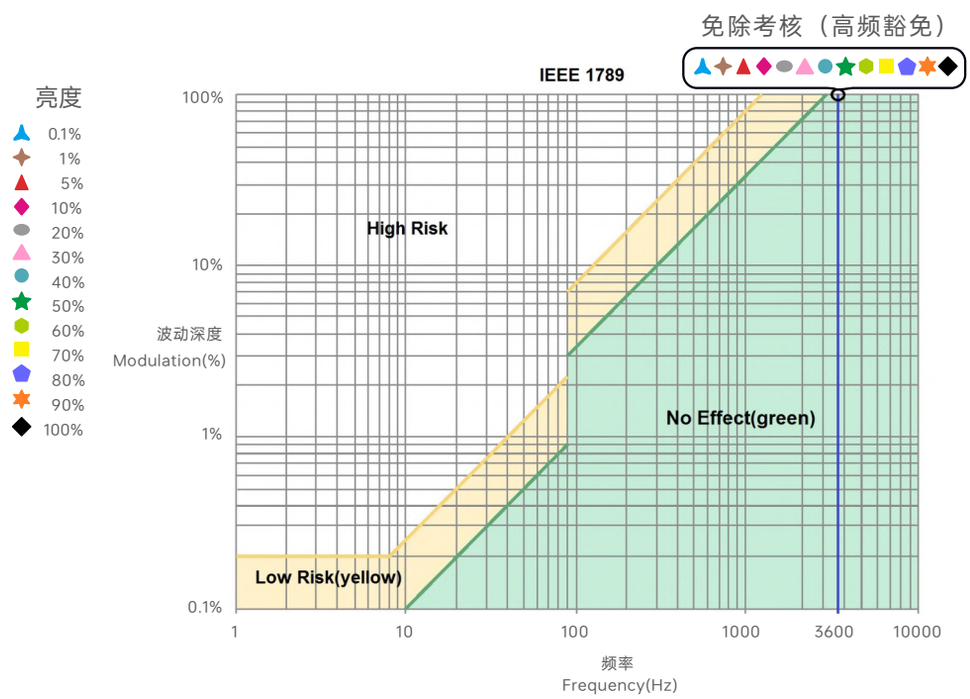
微型断路器型号	B10	B13	B16	B20	B25	C10	C13	C16	C20	C25	D10	D13	D16	D20	D25
最大带载数量	4	5	6	8	11	7	9	11	14	18	9	11	15	20	26

备注：
1. 本数据测试条件：冷启动，45.6A/(在50%Ipeak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

IEEE 1789

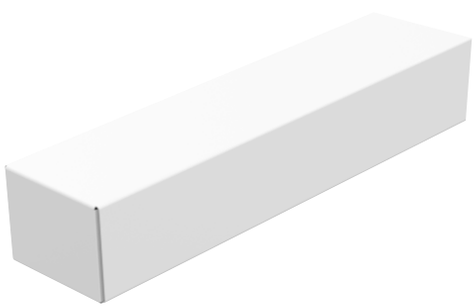
低风险区域（Low Risk）的波动深度（Modulation）限值	
光输出波形频率 f	限值（%）
$f \le 8Hz$	0.2
$8Hz < f \le 90Hz$	$0.025 \times f$
$90Hz < f \le 1250Hz$	$0.08 \times f$
$f > 1250Hz$	免除考核
无风险区域（No Effect）的波动深度（Modulation）限值	
光输出波形频率 f	限值（%）
$f \le 10Hz$	0.1
$10Hz < f \le 90Hz$	$0.01 \times f$
$90Hz < f \le 3125Hz$	$(0.08/2.5) \times f$
$f > 3125Hz$	免除考核（高频豁免）



包装规格

型号	LM-150-24-G1D2F、LM-150-12-G1D2F
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。

1. 修理或更换是雷特对客户的唯一补救措施。雷特不承担任何附带引起的损害赔偿责任, 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	2025.04.11	正稿	黎海鹏