LTSYS

SE-10-100-500-W1D
SE-10-500-1000-W1D

DALI-2 DT6 PUSH DIM

Intelligent LED Driver(Constant Current)

- Housing made from SAMSUNG/Covestro's V-0 flame-retardant PC materials.
- Ultra small, thin and lightweight, screwless end cap.
- Supports DALI-2, Push DIM, and corridor light DIM modes.
- Parameters such as output current and DALI address can be changed via the mobile phone APP through NFC. Advanced templates such as groups and scenes can also be set up to achieve the data interaction function of the driver.
- Current step value as low as 1mA by NFC setting, with higher compatibility and more precision
- It supports the CLO light decay compensation function to ensure constant illumination brightness.
- It supports online OTA (Over-The-Air) upgrade of the device firmware.
- T-PWM ultra-deep dimming technology, dimming depth can reach 0.01%.
- Soft-on and fade-in dimming function enhances your visual comfort.
- 0-100% full dimming without visible flicker, high frequency exemption assessment level.
- EU ERP no-load power consumption, network standby power consumption < 0.5W.
- No-load 0V output to prevent damage to LED lamps due to poor contact.
- Overheat, over voltage, overload, short circuit protection and automatic recovery.
- Suitable for ClassI/II/III indoor light fixtures.
- Normal service life can reach 100,000 hours.
- 5-year warranty (Rubycon capacitor).

DALI 2

DIM

T-PWM
Dimming Technology

Flicker Free
IEEE1789

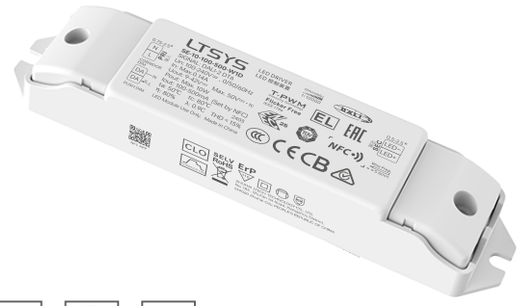
Dimmable: 1:10000

NFC CLO corridor DIM EL

SELV RoHS ErP

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

DALI | T-PWM Dimming Technology | Flicker Free IEEE 1789 | NFC Multi current setting | Over voltage protection | Short circuit protection | Over Load protection | Overheat Protection

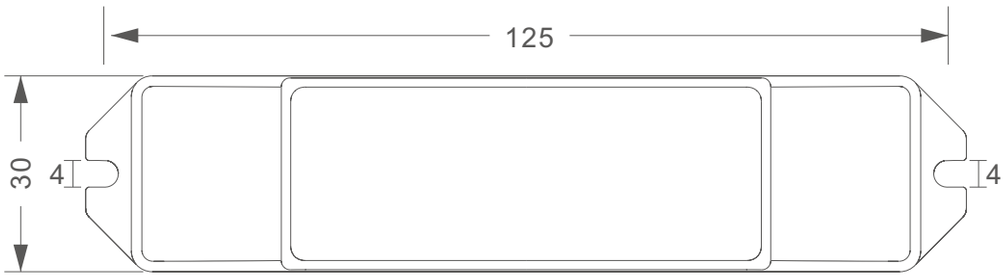


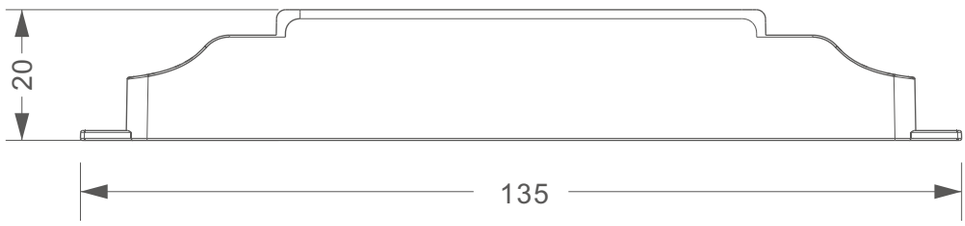
Technical Specs

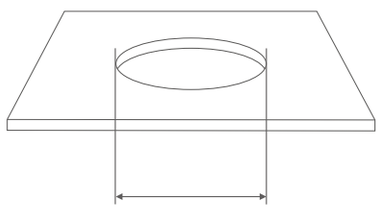
Model		SE-10-100-500-W1D			SE-10-500-1000-W1D
Features	Output Type	Constant current			
	Dimming Interface	DALI-2 DT6, PUSH DIM			
	Output Feature	Isolation			
	Protection Grade	IP20			
	Insulation Grade	Class II (Suitable for class I/ II /III light fixtures)			
OUTPUT	Output Voltage	9-42Vdc			2-12Vdc
	Maximum output voltage	≤50Vdc			≤20Vdc
	Output Current Range	100-500mA			500-1000mA
	Output Power Range	0.9W-10W			1W-10W
	Dimming Range	0~100%, down to 0.01%			
	LF Current Ripple	< 5% ((Maximum current for non dimming state)			
	Current Accuracy	±5%			
	PWM Frequency	≤3600Hz			
INPUT	DC Voltage Range	100-240Vdc			
	AC Voltage Range	100-240Vac			
	Rated Voltage	115Vac/230Vac			
	Frequency	0/50/60Hz			
	Input Current	≤0.14A/115Vac(at full load) , ≤0.07A/230Vac(at full load)			
	Power Factor	PF≥0.95/115Vac(at full load), PF≥0.9/230Vac(at full load)			
	THD	THD≤15%/230Vac(at full load)			
	Efficiency (Typ.)	80%(at full load)			78%(at full load)
	Inrush Current	Cold start 15A(Test twidth=102us tested under 50% Ipeak)/230Vac			
	Anti Surge	L-N:2KV			
	Leakage Current	Max.0.24mA			
ENVIRONMENT	Working Temperature	ta: -20℃ ~ 50℃ tc: 80℃			
	Working Humidity	20 ~ 95%RH, non-condensing			
	Storage Temperature/Humidity	-40 ~ 80℃/10~95%RH			
	Temperature CoeŞcient	±0.03%/℃(-20℃~45℃)			
	Vibration	10~500Hz, 2G 12min/1cycle, 72 min for X, Y and Z axes respectively			
PROTECTION	Overload Protection	Automatically protect the device when the load exceeds 102% of the rated power. Automatically recover once load is reduced			
	Overheat Protection	Intelligently adjust or turn or the current output if the PCB temperature ≥110℃. When the PCB temperature <90℃, automatically recover normal output			
	Overvoltage Protection	Automatically protect the device when voltage exceeds the no-load voltage. It can be recovered automatically			
	Short Circuit Protection	Enter hiccup mode if short circuit occurs, and recover automatically			
SAFETY & EMC	Withstand Voltage	I/P-O/P:3750Vac			
	Insulation Resistance	I/P-O/P: 100MΩ/500VDC/25℃/70%RH			
	Safety Standards	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	EuropeanUnion	EN61347-1，EN61347-2-13，EN62384	
		KC	Korea	KC61347-1，KC61347-2-13	
		EAC	Russia	IEC61347-1，IEC61347-2-13	
		RCM	Australia	AS61347-1，AS61347-2-13	
		ENEC	Europe	EN61347-1，EN61347-2-13，EN62384	
		UKCA	Britain	BSEN61347-1，BSEN61347-2-13，BSEN62493	
		BIS	India	IS15885(PART2/SEC13)	
	EMC Emission	CCC	China	GB/T17743，GB17625.1	
		CE	EuropeanUnion	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	
		UKCA	Britain	BSENIEC55015，BSENIEC61000-3-2，BSEN61000-3-3，BSEN61547	
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11,EN61547			
ErP	Power Consumption	Networked standby		< 0.5W(After shutdown by command)	
		No-load power consumption		< 0.5W(When the lamp is not connected)	
	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.)	80g±10g			
	Dimensions	135×30×20mm(L×W×H)			

Product Size

Unit:mm



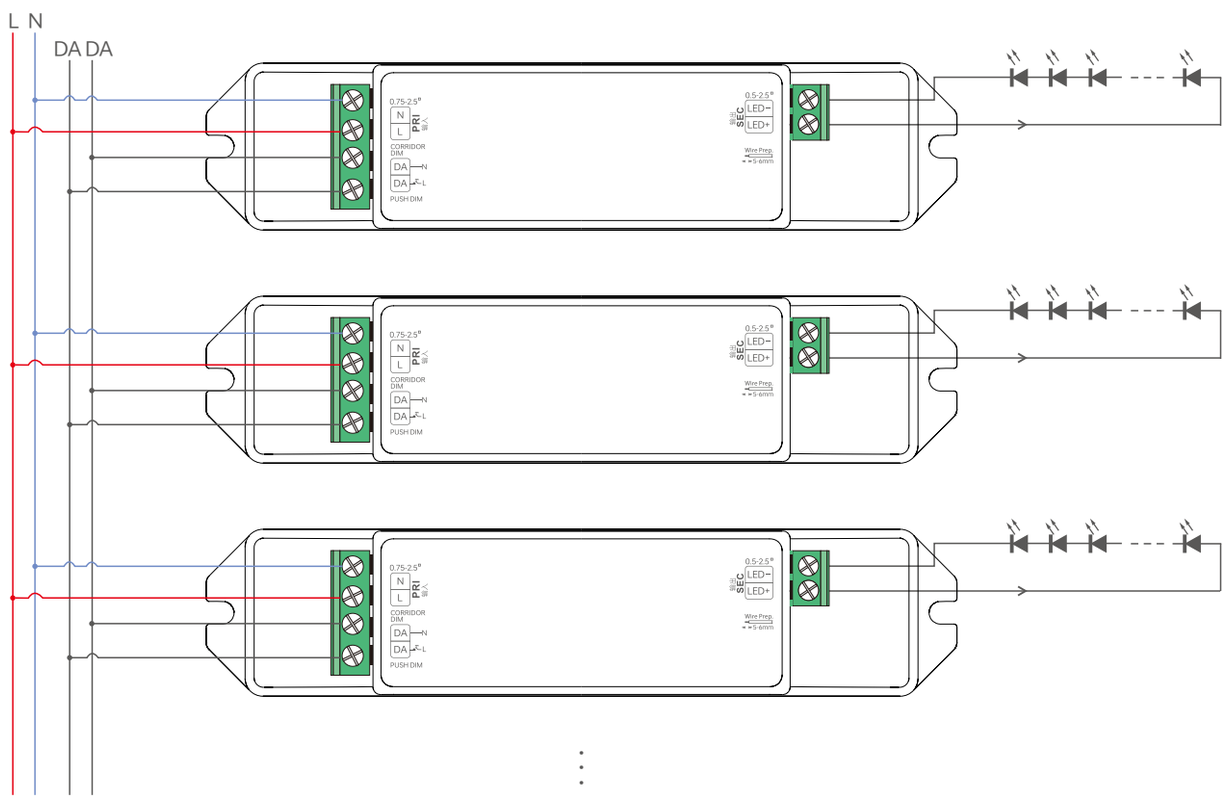




Minimum hole size: ϕ35mm(1.4")

DALI Dimming Application

Wiring diagram



Wire diameter:0.75-2.5㎟
Strip length:5mm-6mm

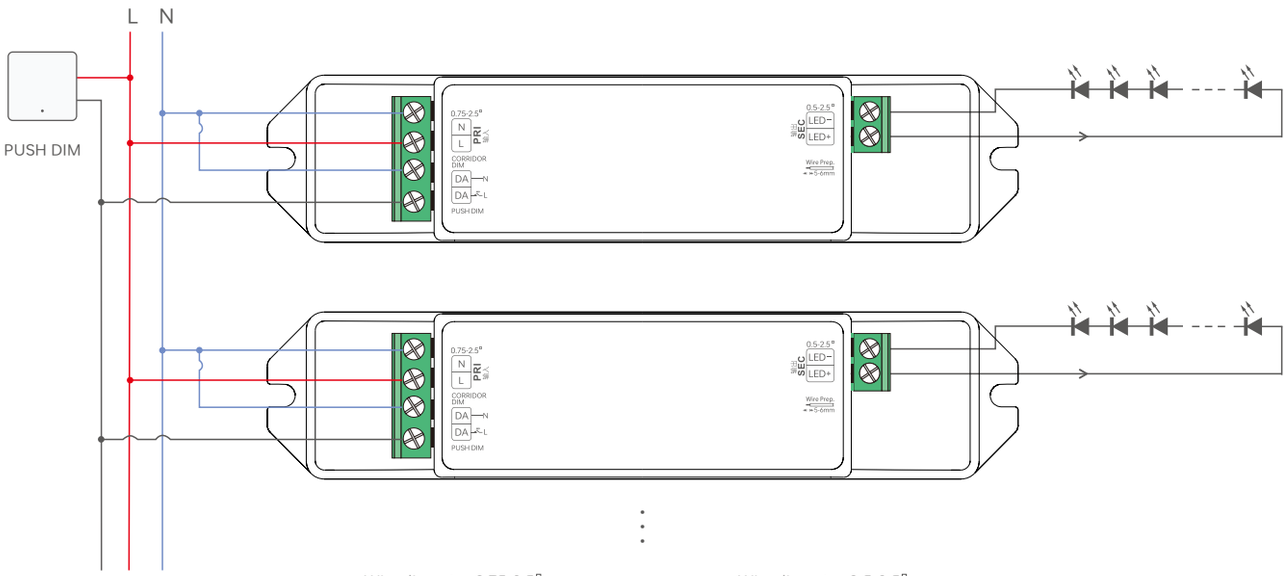
Wire diameter:0.5-2.5㎟
Strip length:5mm-6mm

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.

PUSH DIM Dimming Application

Wiring diagram



Wire diameter:0.75-2.5㎟
Strip length:5mm-6mm

Wire diameter:0.5-2.5㎟
Strip length:5mm-6mm

Switch to the Push-DIM dimming mode

Switch to the Push-DIM Dimming Mode

Method 1: If it has been switched to the corridor dimming mode, connect the wires according to the Push-DIM wiring diagram. Within 3 seconds of resetting the switch, press it briefly 5 times; then press and hold it for 6 seconds; finally, 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 via the NFC Lighting app.

Remarks: If the DALI master controller is not connected, the factory default mode is Push-DIM mode.

Operation Instructions

PUSH DIM

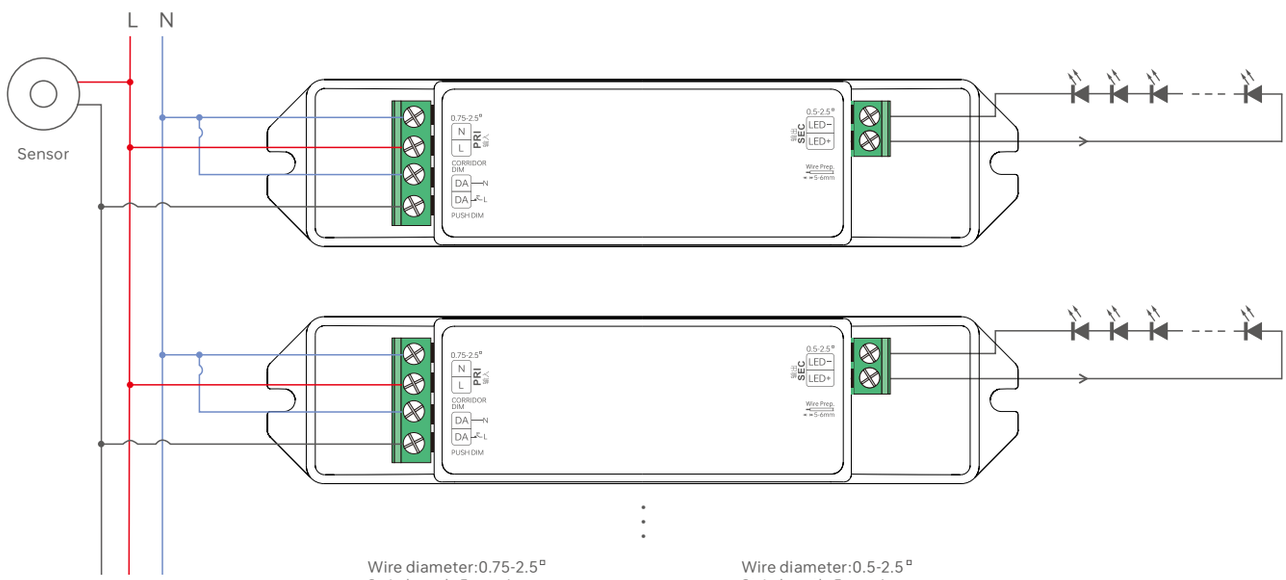
Short press for on/off control.

Long press: Adjust the current brightness.

Push-DIM memory function: When the light is switched on/off again, it will return to the previously adjusted brightness level.

Corridor Dimming Application

Wiring diagram



Wire diameter:0.75-2.5㎟
Strip length:5mm-6mm

Wire diameter:0.5-2.5㎟
Strip length:5mm-6mm

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 .

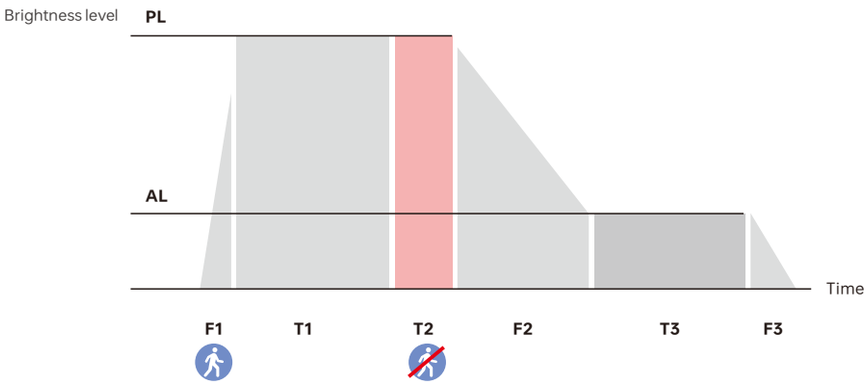
Method 2: After connecting the wires according to the corridor dimming wiring diagram, keep moving within the effective sensing area for more than 2 minutes, and it will automatically switch to the corridor dimming mode with all lights on at full brightness.

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.

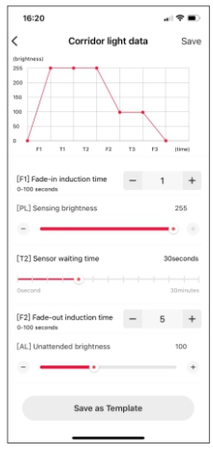
Remarks: During normal operation, it is recommended to set the hold-time of the motion sensor to the minimum.

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 s, 3 s,5 s,10 s,20 s,30 s
(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 Oś Time	1 s	0-100 s



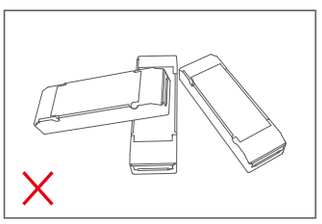
Remarks: *If the lamp needs to be on standby at a low brightness level, the [T3] Sensing Standby Time should be set to "Permanent".
*The above parameters are set through the NFC lighting APP.

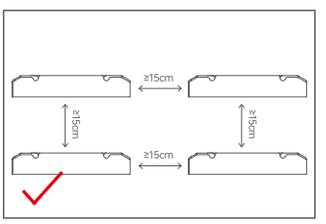
Typical Current Corresponding Parameter Table

Model	The typical 9 current data sets below are for reference when selecting LED fixture models. More current levels can be set by NFC using mobile APP with 100-500mA adjustable in 1mA step									
SE-10-100-500-W1D	Output Current	100mA	150mA	200mA	250mA	300mA	350mA	400mA	450mA	500mA
	Output Voltage	9-42Vdc	9-42Vdc	9-42Vdc	9-40Vdc	9-33Vdc	9-28.5Vdc	9-25Vdc	9-22Vdc	9-20Vdc
	Output Power	0.9-4.2W	1.35-6.3W	1.8-8.4W	2.25-10W	2.7-9.9W	3.15-9.975W	3.6-10W	4.05-9.9W	4.5-10W

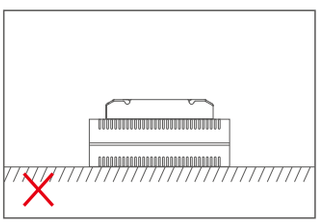
Model	The typical 9 current data sets below are for reference when selecting LED fixture models. More current levels can be set by NFC using mobile APP with 100-500mA adjustable in 1mA step										
SE-10-500-1000-W1D	Output Current	500mA	550mA	600mA	650mA	700mA	750mA	800mA	850mA	900mA	950mA	1000mA
	Output Voltage	2-12Vdc	2-12Vdc	2-12Vdc	2-12Vdc	2-12Vdc	2-12Vdc	2-12Vdc	2-12Vdc	2-11Vdc	2-10.5Vdc	2-10Vdc
	Output Power	1-6W	1.1-6.6W	1.2-7.2W	1.3-7.8W	1.4-8.4W	1.5-9W	1.6-9.6W	1.7-10.2W	1.8-9.9W	1.9-10W	2-10W

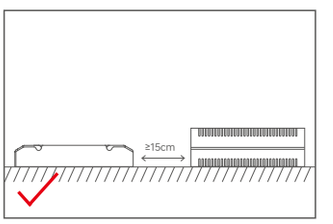
Installation Precautions



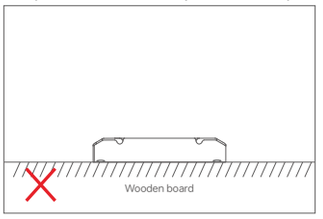


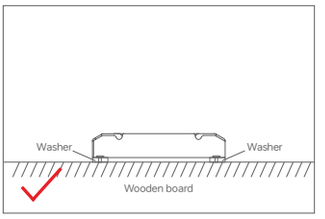
Please do not stack the products. The distance between two products should be ≥15cm so as not to affect heat dissipation and the lifespan of the products.
Note: The temperature within the installation area should be within the working temperature range of the products. Please do not install products inside LED fixtures to avoid temperature exceeding the working temperature that may affect the product lifetime.





Please not place the products on LED drivers. The distance between the product and the driver should be ≥15cm so as not to affect heat dissipation and shorten the lifespan of the products.





Please do not fasten the product screws tightly against the wooden board. Instead, add a washer of ≥7mm under the fixing screws. Leaving a gap can effectively dissipate heat, preventing any impact on the product's heat dissipation 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).

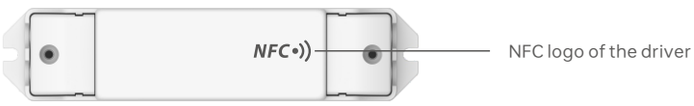
*** Before you begin setting the parameters of the driver, please make sure the driver is powered off .**

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.

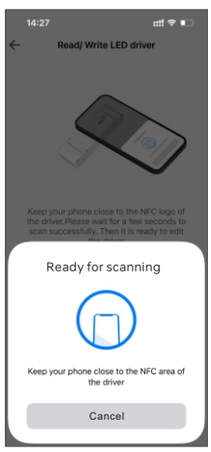


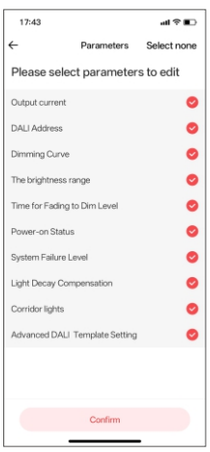
2.Edit the parameters

Click【Parameter settings】to edit the advanced parameters, like output current, choose a brand, dimming mode, low power mode, dimming curve, brightness range, etc.

3.Write to the driver

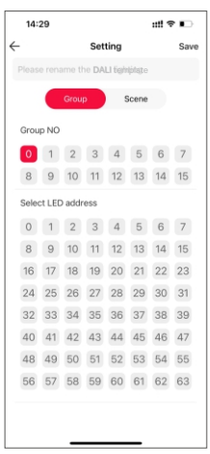
After completing the parameter settings, click 【Write】in the upper right corner, and keep the programmer's sensing area close to the NFC logo of the driver, so the parameters can be written to the driver.

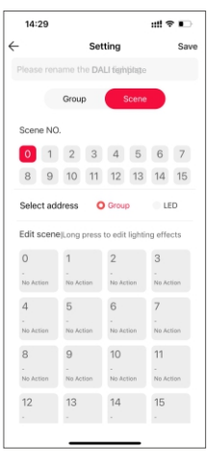




Advanced DALI template

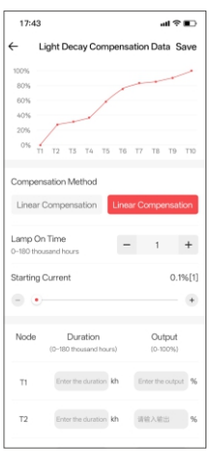
Integrate the functions of the DALI lighting system, edit the DALI group and lighting effects for scenes, then save them in the advanced template to achieve lighting programming.
Setup page (for Read/Write LED driver) : Go to App home page — 【⚙】icon in the top right — 【DALI template on pnone】



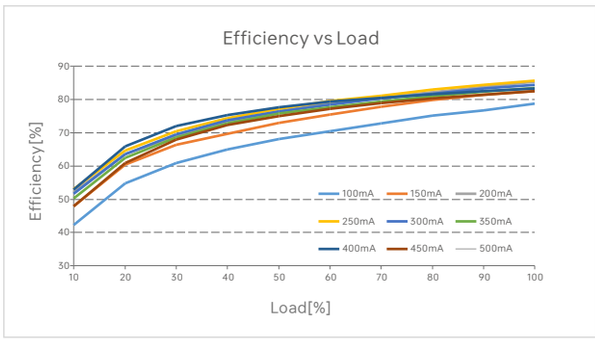


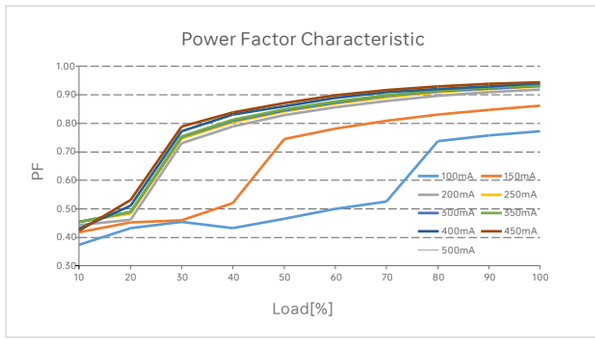
Light Decay Compensation

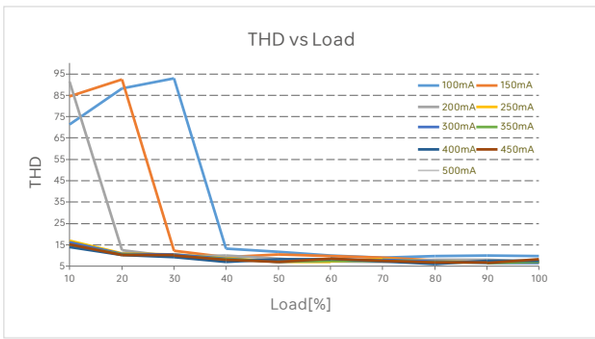
The light decay compensation function is mainly used to maintain the constant lumen output of LEDs. Throughout the entire life cycle of an LED, the driving current of the LED is gradually increased to offset the light decay caused by long-term operation of the LED, thereby ensuring a constant luminous flux output of the LED.

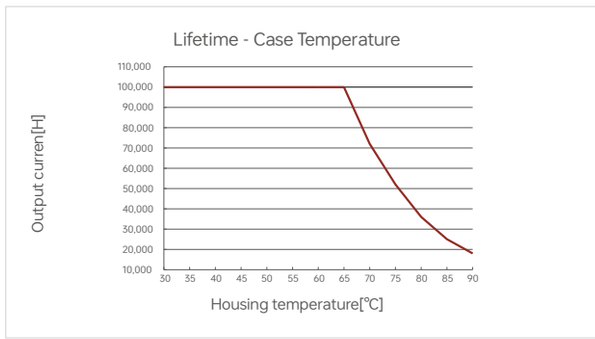


Relationship Diagrams

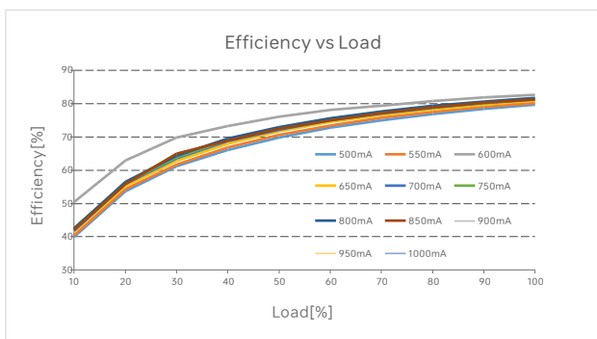


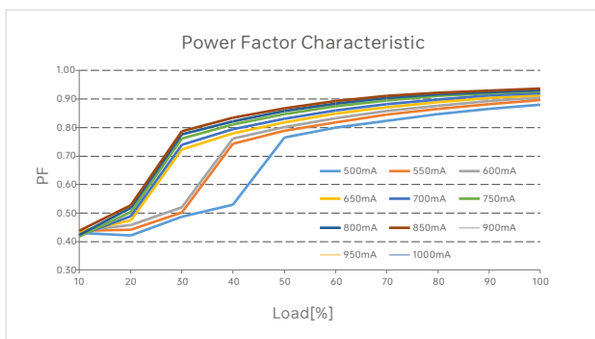


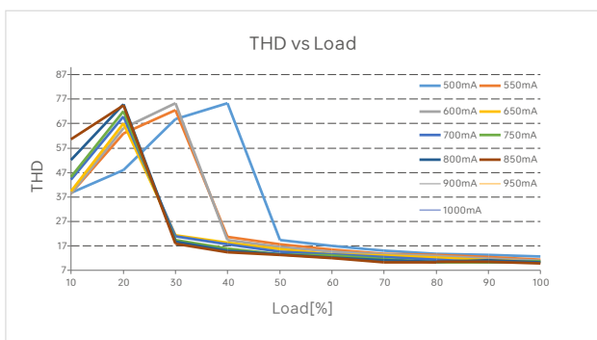


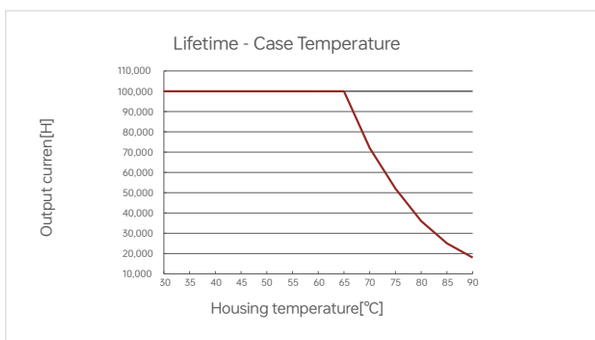


SE-10-100-500-W1D









SE-10-500-1000-W1D

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	20	26	32	40	50	23	30	37	47	58	27	34	42	53	66

Remarks:

1. Test Conditions: Cold start 15A(Test twidth=102us tested under 50% Ipeak)/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.

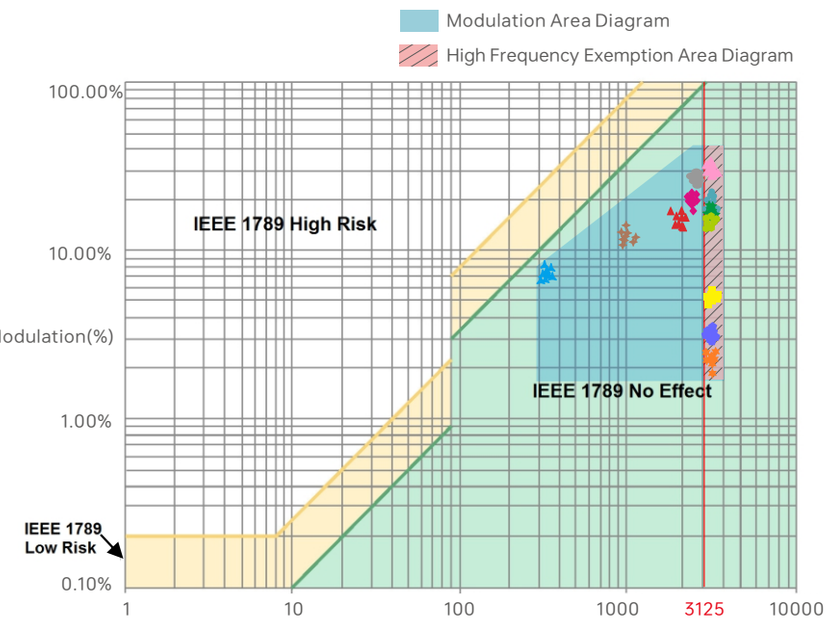
Flicker Test Sheet

IEEE 1789

Limit of modulation in low risk area	
Waveform frequency of optical output	limit (%)
$f \le 8Hz$	0.2
$8Hz < f \le 90Hz$	$0.025 \times f$
$90Hz < f \le 1250Hz$	$0.08 \times f$
$f > 1250Hz$	Exemption assessment
Limit of modulation in no effect area	
Waveform frequency of optical output	limit (%)
$f \le 10Hz$	0.1
$10Hz < f \le 90Hz$	$0.01 \times f$
$90Hz < f \le 3125Hz$	$(0.08/2.5) \times f$
$f > 3125Hz$	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 were tested results of different current ranges.

The output frequeny is 0Hz in 100% brightness and its corresponding modulation is 0%, which could not be shown in the right chart.

Packaging Specifications

Model	SE-10-100-500-W1D/SE-10-500-1000-W1D
Carton Dimensions	350×285×180mm (L×W×H)
Quantity	30 PCS/Layer; 5Layers/Carton;150 PCS/Carton
Weight	0.08kg/PC; 12±5% kg/Carton

Packaging Image

Inner Packaging Box

Carton 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

- 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 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 Conten	Updated by
A0	20250418	Original version	Simin Zhong

LTSYS

SE-10-100-500-W1D
SE-10-500-1000-W1D

DALI-2 DT6 PUSH DIM

LED智能调光驱动器(恒流型)

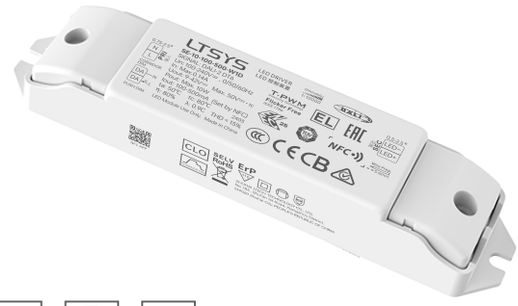
- 外壳采用科思创/三星PC阻燃V0级原料；
- 超小体积、轻薄、免螺丝端盖设计；
- 支持DALI-2，PUSH DIM，走廊灯调光；
- 使用手机APP通过NFC可更改输出电流、DALI地址等参数，亦可设置群组、场景等高级模板，实现驱动器数据交互功能；
- NFC设置电流步进值低至1mA，兼容性更高更精细；
- 支持CLO光衰补偿功能，保障恒久照明亮度；
- 支持线上OTA升级设备固件；
- T-PWM 超深度调光技术，调光深度可达0.01%；
- 带软启动渐亮功能，让人眼视觉更舒服；
- 0-100%全程调光无可视频闪, 高频豁免考核级别；
- 欧盟ERP空载功耗、网络待机功耗 < 0.5W；
- 空载0V输出，防止接触不良损坏LED灯具；
- 过温、过载、短路、过压保护，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（红宝石电容）。

DALI 2

调光

T-PWM
超深度调光技术

无频闪
IEEE1789
高频豁免考核级别



Dimmable: 1:10000

NFC CLO corridor DIM EL

SELV RoHS ErP

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。

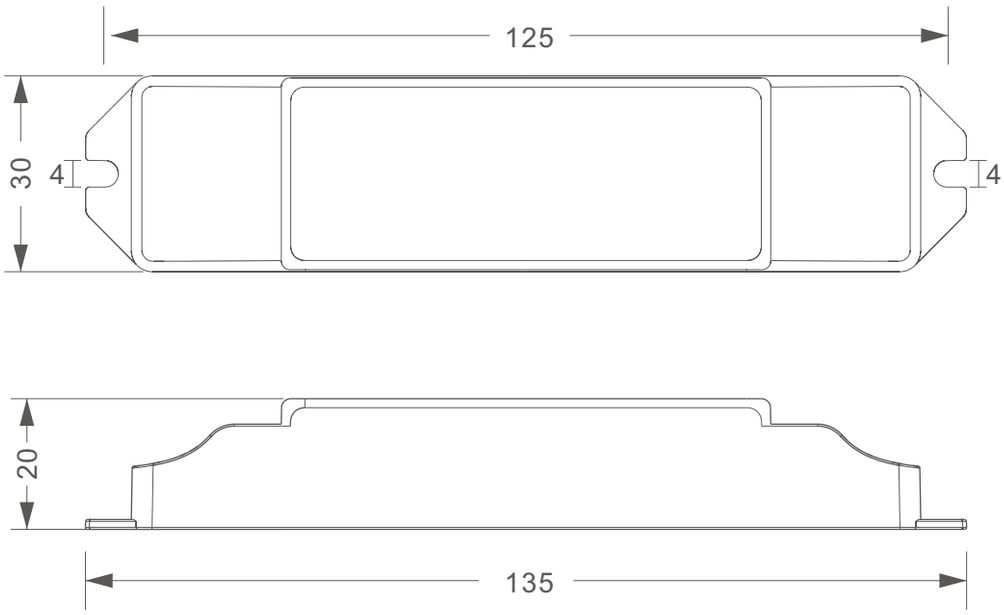
DALI | T-PWM 超深度调光技术 | 无频闪 IEEE 1789 | NFC 多电流设置 | 过压保护 | 短路保护 | 过载保护 | 过温保护

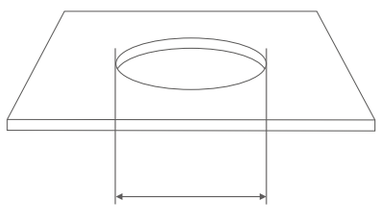
技术参数

型号		SE-10-100-500-W1D		SE-10-500-1000-W1D
特征	输出类型	恒流		
	调光接口	DALI-2 DT6，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	9-42Vdc		2-12Vdc
	最大输出电压	≤50Vdc		≤20Vdc
	工作电流范围	100-500mA		500-1000mA
	负载功率范围	0.9W-10W		1W-10W
	调光范围	0~100%，调光深度: Max. 0.01%		
	电流纹波	< 5% (非调光状态)		
	电流精度	±5%		
	PWM调光频率	≤3600Hz		
输入	直流电压范围	100-240Vdc		
	交流电压范围	100-240Vac		
	额定电压	115Vac/230Vac		
	频率范围	0/50/60Hz		
	输入电流	≤0.14A/115Vac(满载) ≤0.07A/230Vac(满载)		
	功率因数	PF≥0.95/115Vac(满载) PF≥0.9/230Vac(满载)		
	谐波THD	THD≤15%/230Vac(满载)		
	效率(Typ.)	80%(满载)		78%(满载)
	浪涌电流	冷启动,15A(在50%Ipeak下测twidth=102us)@230Vac		
	抗浪涌	L-N:2KV		
	漏电流	Max.0.24mA		
环境	工作温度	ta: -20℃ ~ 50℃ tc: 80℃		
	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%/℃(-20℃~45℃)		
	耐振动	10-500HZ，2G 12分钟/周期，X, Y, Z轴各72分钟		
保护	过载保护	负载超过额定功率≥1.02倍时自动保护，减轻负载自动恢复		
	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；PCB温度 < 90℃时，可自动恢复正常输出		
	过压保护	超过空载电压值进入保护，可自行恢复		
	短路保护	输出线路短路进入打嗝模式，可自动恢复		
安规和电磁规格	耐压	输入对输出: 3750Vac		
	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	AS61347-1， AS61347-2-13
		ENEC	欧洲	EN61347-1， EN61347-2-13， EN62384
		UKCA	英国	BSEN61347-1，BSEN61347-2-13，BSEN62493
		BIS	印度	IS15885(PART2/SEC13)
	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
		UKCA	英国	BSENIEC55015，BSENIEC61000-3-2，BSEN61000-3-3，BSEN61547
	电磁兼容抗扰度	EN61000-4-2,3,4,5,6,8,11,EN61547		
ErP	功耗	网络待机功耗		< 0.5W（通过指令关机后）
		空载功耗		< 0.5W（不接灯具时）
	频闪/频闪效应	IEEE1789		满足无影响/高频豁免考核级别
		CIESVM		PstLM≤1.0，SVM≤0.4
	DF	相位因素		DF≥0.9
其他	产品重量	80g±10g		
	产品尺寸	135×30×20mm(L×W×H)		

尺寸图

单位：mm

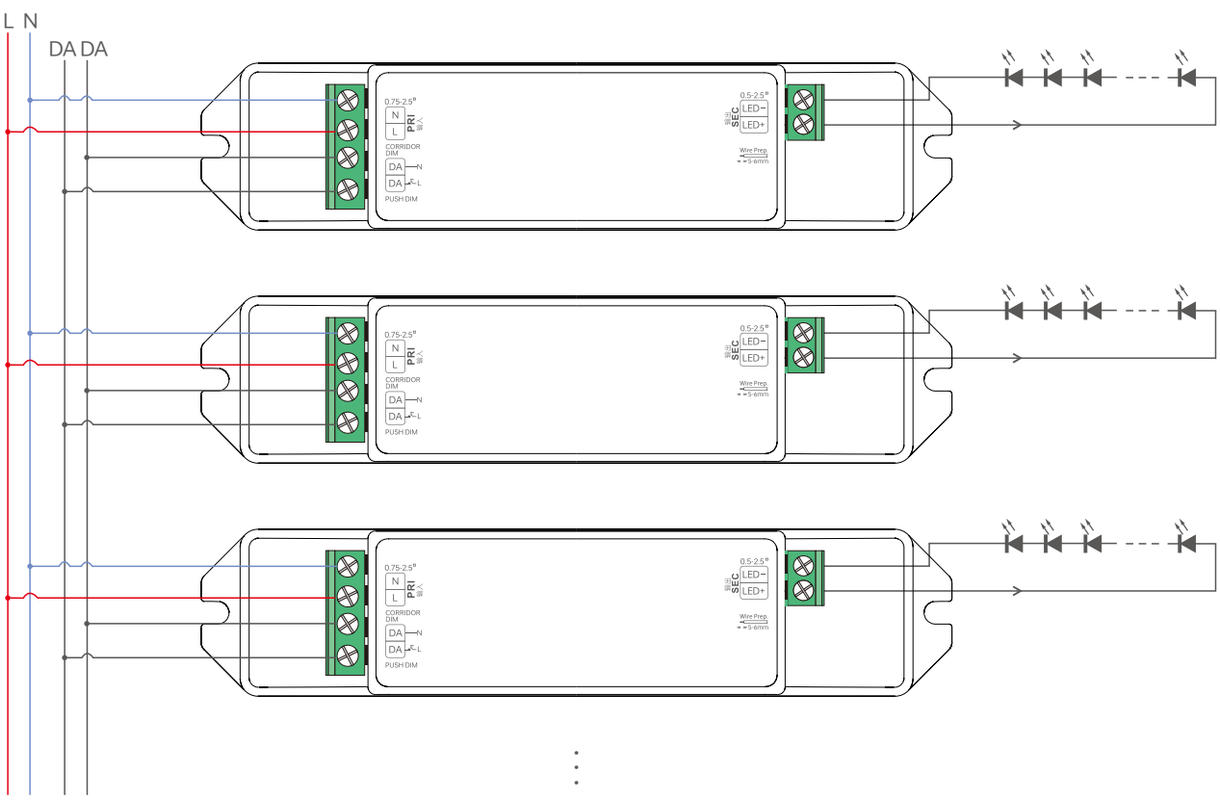




最小开孔尺寸：φ35mm(1.4")

DALI调光应用

接线图



输入线径：0.75-2.5²
剥线长度：5mm-6mm

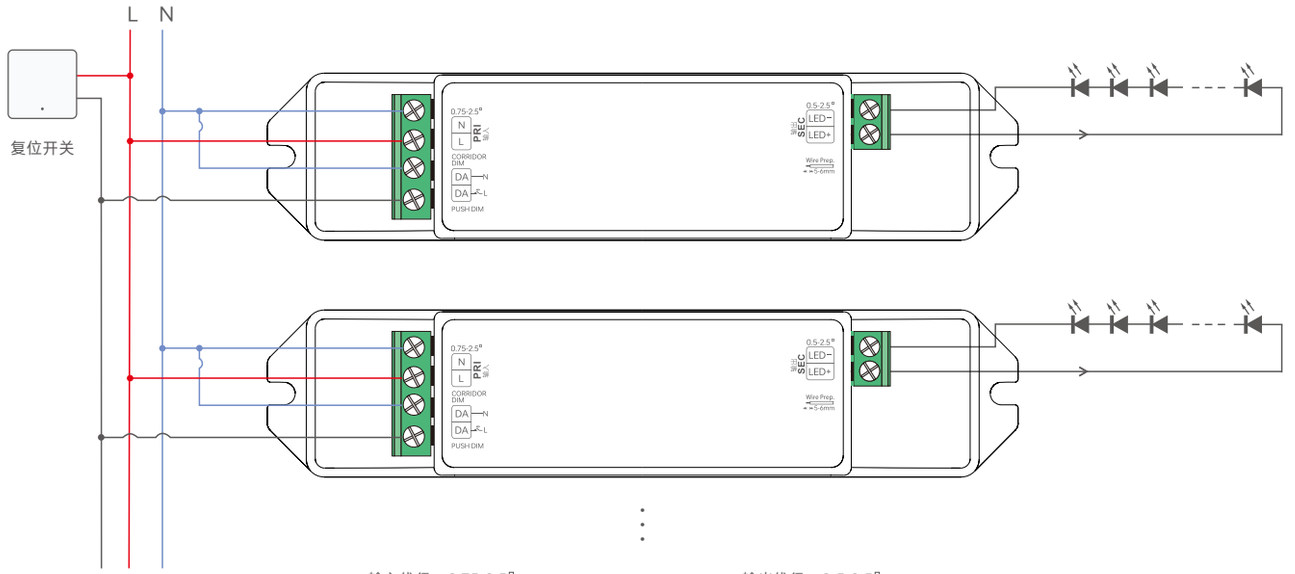
输出线径：0.5-2.5²
剥线长度：5mm-6mm

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。

PUSH DIM 调光应用

接线图



输入线径：0.75-2.5㎟
剥线长度：5mm-6mm

输出线径：0.5-2.5㎟
剥线长度：5mm-6mm

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。

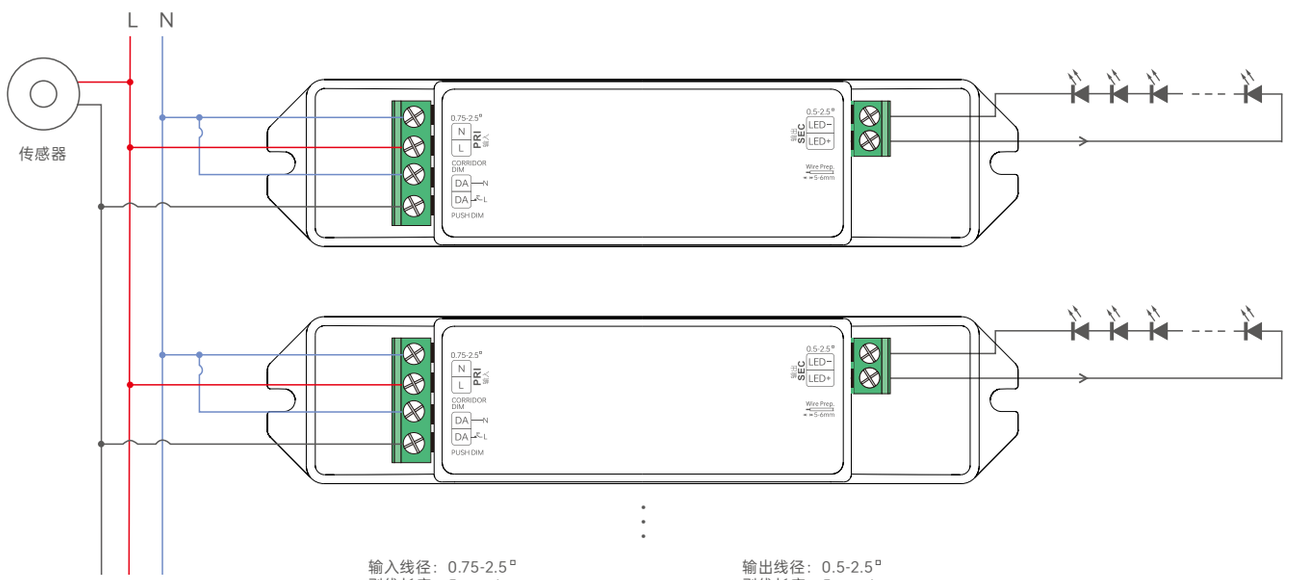
操作说明

复位开关

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

走廊灯调光应用

接线图



输入线径：0.75-2.5㎟
剥线长度：5mm-6mm

输出线径：0.5-2.5㎟
剥线长度：5mm-6mm

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。

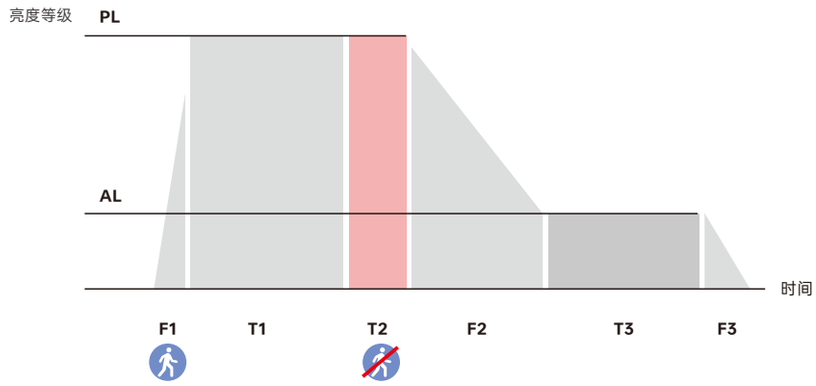
方式 2: 按照走廊调光接线图接好线后，保持有效感应区域内移动并持续2分钟以上，自动切换成走廊调光模式并全亮灯。

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

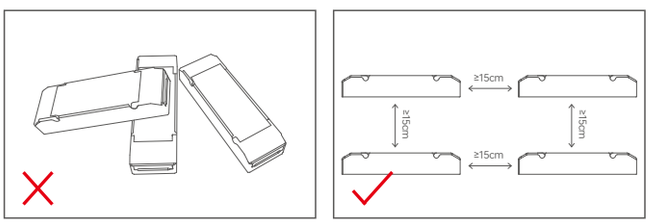
*以上参数由NFC lighting APP 设置

典型电流对应参数表

型号	典型9组电流数据供选型参考，均可通过手机APP NFC设置更多电流，可设置范围在100-500mA，电流步进值低至1mA									
SE-10-100-500-W1D	输出电流	100mA	150mA	200mA	250mA	300mA	350mA	400mA	450mA	500mA
	输出电压	9-42Vdc	9-42Vdc	9-42Vdc	9-40Vdc	9-33Vdc	9-28.5Vdc	9-25Vdc	9-22Vdc	9-20Vdc
	输出功率	0.9-4.2W	1.35-6.3W	1.8-8.4W	2.25-10W	2.7-9.9W	3.15-9.975W	3.6-10W	4.05-9.9W	4.5-10W

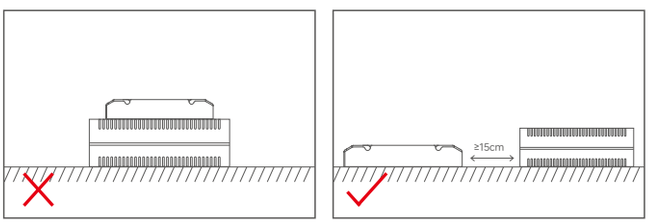
型号	典型11组电流数据供选型参考，均可通过手机APP NFC设置更多电流，可设置范围在500-1000mA，电流步进值低至1mA										
SE-10-500-1000-W1D	输出电流	500mA	550mA	600mA	650mA	700mA	750mA	800mA	850mA	900mA	950mA	1000mA
	输出电压	2-12Vdc	2-12Vdc	2-12Vdc	2-12Vdc	2-12Vdc	2-12Vdc	2-12Vdc	2-12Vdc	2-11Vdc	2-10.5Vdc	2-10Vdc
	输出功率	1-6W	1.1-6.6W	1.2-7.2W	1.3-7.8W	1.4-8.4W	1.5-9W	1.6-9.6W	1.7-10.2W	1.8-9.9W	1.9-10W	2-10W

安装注意事项

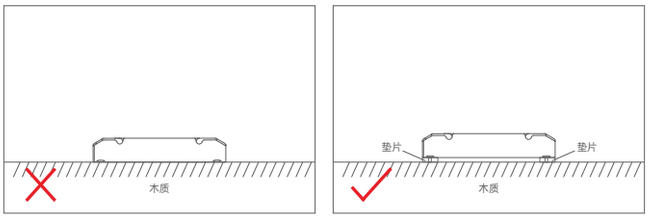


请勿将产品堆叠摆放，产品与产品间隔距离应≥15cm，
避免影响产品散热和使用寿命。

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)

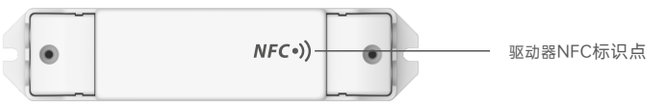
＊ 设置驱动器参数时，必须在驱动器断电情况下进行操作。

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。

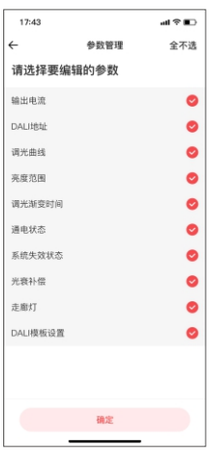


2. 编辑参数

点击【参数管理】可编辑输出电流、DALI地址、调光曲线、亮度范围、调光渐变时间、通电状态、系统失效状态、光衰补偿、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

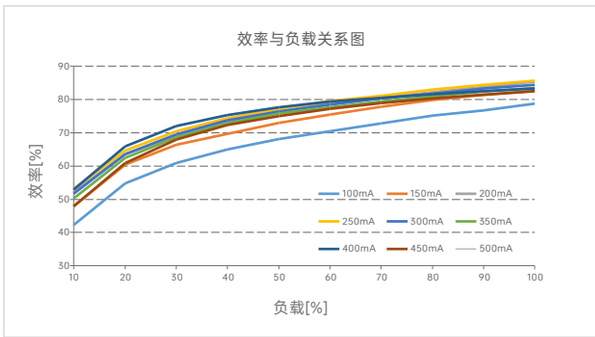
整合DALI灯光系统的设置功能，编辑DALI群组和场景的灯光效果并保存为高级模板，实现灯光编程。

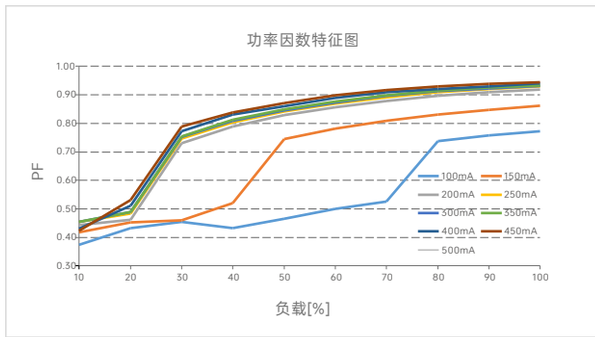
读/写智能电源设置入口：APP首页 — 右上角【 】图标 —【手机本地的DALI高级模板】

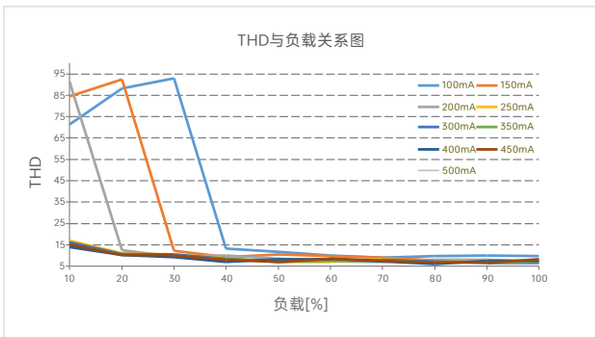
光衰补偿

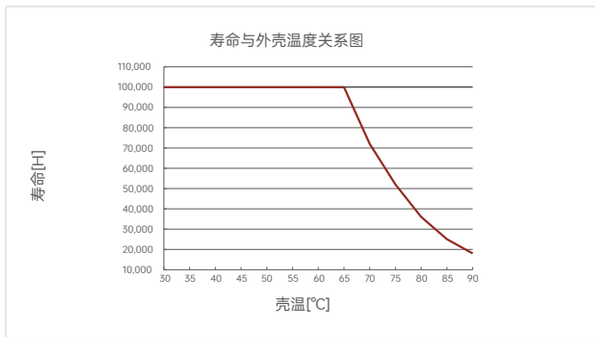
光衰补偿功能主要用于维持LED的恒流明输出。在整个LED的寿命周期内，通过逐渐增加LED的驱动电流，以抵消LED长期工作造成的光衰，从而保证LED恒定的光通量输出。

关系图表

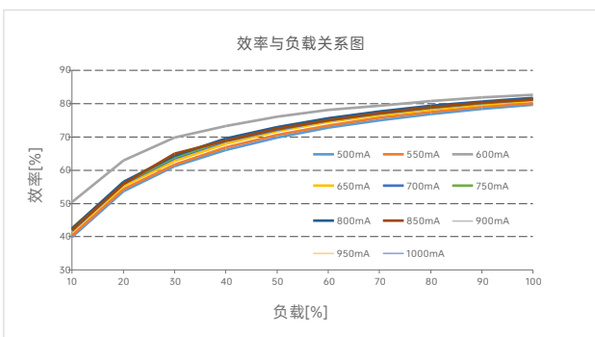


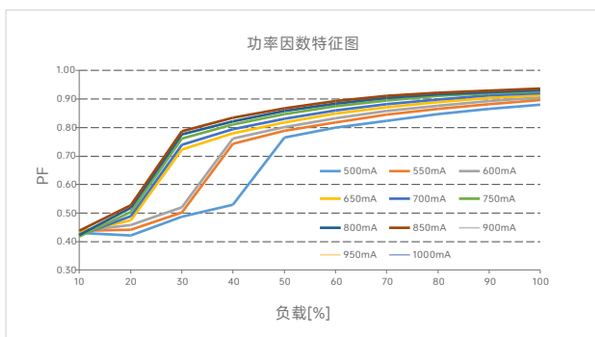


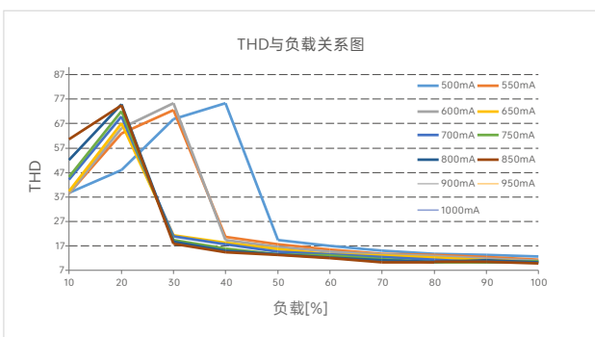


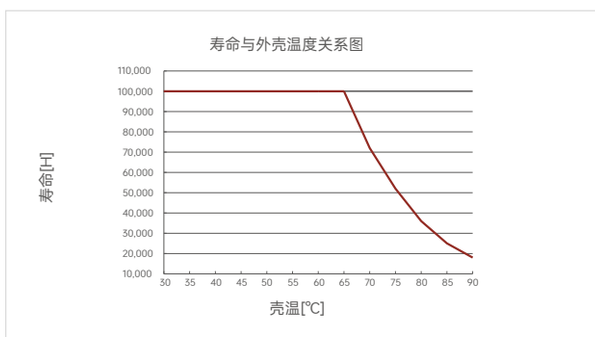


SE-10-100-500-W1D









SE-10-500-1000-W1D

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	20	26	32	40	50	23	30	37	47	58	27	34	42	53	66

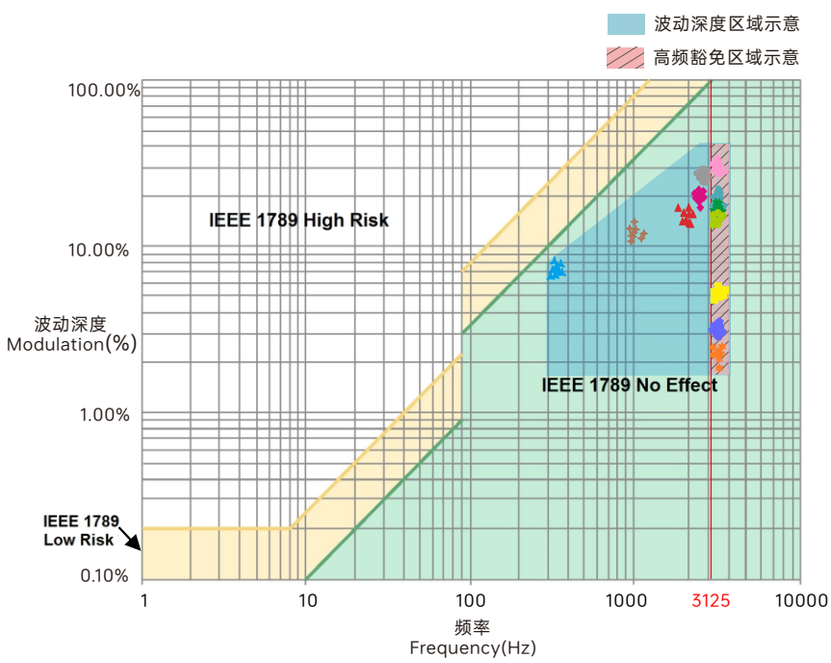
备注：
1. 本数据测试条件：冷启动，15A(在50%Ipeak下测twidth=102us)@230Vac；
2. 对于不同品牌和型号的微型断路器，驱动器的数量会有所不同；
3. 现场安装时建议不要超过上述数量，具体负载量以现场安装为准；
4. 当微型断路器的安装环境温度超过30℃或多个微型断路器并排安装时，安装的驱动器数量将减少，这需要重新计算；
5. 电工通常考虑将B型MCB用于家用照明，将C型MCB用于商业照明；
6. 不同仪器设备测试出来的电流峰值和脉冲宽度有差异，请使用专业仪器设备测试；

频闪测试表

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（%）
$f \leq 8Hz$	0.2
$8Hz < f \leq 90Hz$	$0.025 \times f$
$90Hz < f \leq 1250Hz$	$0.08 \times f$
$f > 1250Hz$	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（%）
$f \leq 10Hz$	0.1
$10Hz < f \leq 90Hz$	$0.01 \times f$
$90Hz < f \leq 3125Hz$	$(0.08/2.5) \times f$
$f > 3125Hz$	免除考核（高频豁免）

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



右图标识为不同电流档的测试结果。
100%亮度时输出频率为0Hz，对应波动深度为0%，无法在右图中示意。

包装规格

型号	SE-10-100-500-W1D/SE-10-500-1000-W1D
包装箱尺寸	350×285×180mm（L×W×H）
数量	30 PCS/层； 5 层/箱； 150 PCS/箱
重量	0.08kg/PC； 12±5% kg/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，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	20250418	正稿	钟思敏