Intelligent LED Driver(ConstantCurrent)

- The housing is made from V0 flame retardant PC materials that SAMSUNG/COVESTRO uses.
- Supports full-command ultra-fast NFC programming. You can use mobile APP to adjust dimming type, output current, light decay compensation, EL emergency light and parameters of DALI, 0-10V, PUSH and other types via NFC, realizing data interaction of drivers.
- NFC settings feature current step values as low as 1mA, delivering enhanced compatibility and finer control.
- Supports L-Data, DALI Part 251, 252 and 253 (luminaire data, energy reports, diagnosis and maintenance).
- T-PWM ultra-deep dimming technology achieving 0.01% dimming depth.
- 0-100% full-range dimming with zero visible flicker, meeting high-frequency exemption standards.
- Features soft-start gradual brightening for enhanced visual comfort.
- Supports CLO light decay compensation to ensure consistent illumination brightness.
- Supports EL emergency lights; in DC emergency mode, the current defaults to 15%.
- Supports wired firmware upgrades for devices.
- EU ERP no-load power consumption and network standby power consumption < 0.5W.
- 0V output at no load to prevent LED fixture damage from poor contact.
- Over-temperature, over-voltage, overload, and short-circuit protection with automatic recovery.
- Suitable for indoor Class I, II, and III luminaires
- Lifespan up to 100,000 hours under normal use.
- 5-year warranty.

DALI 2

DIM/CCT

6 in1DIM/CCT
• 0-10V • RX • PUSH
• 1-10V • PWM • DALI-2

T-PWM
Dimming Technology

Flicker Free
IEEE 1789

Dimmable:
1:10000

NFC

SELV RoHS CLO corridor DIM L-Data 251/252/253

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

DALI | 0-10V | T-PWM Dimming Technology | Flicker Free IEEE 1789 | NFC Multi cutter setting | Over voltage protection | Short circuit protection | Over Load protection | Overheat Protection

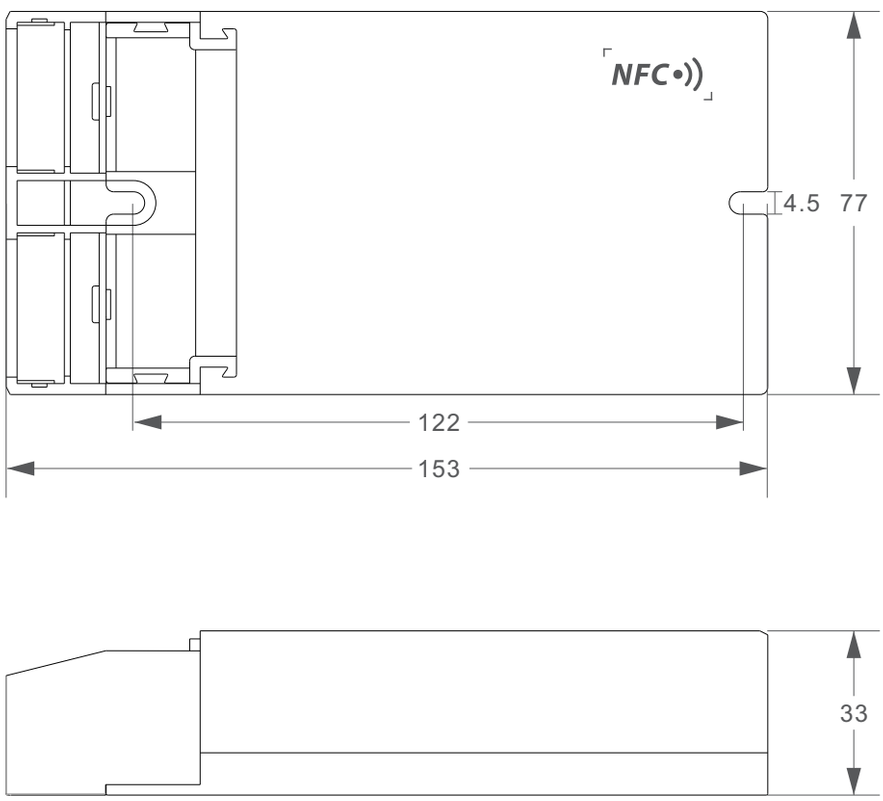
Technical Specs

Model		SE-65-500-1800-W2X2		
FEATURES	Output Type	Constant current		
	Dimming Interface	DALI-2 DT6/DT8, 0-10V(1-10V/PWM/RX), PUSH DIM/CCT		
	Output Feature	Isolation		
	IP Rating	IP20		
	Insulation Class	Class II (Suitable for class I/II/III light fixtures)		
OUTPUT	Output Voltage	9-54Vdc		
	Max. Output Voltage	≤58Vdc		
	Rated Current Range	500-1800mA(Set highter current via mobile APP NFC; step value down to 1mA; Default: 500mA)		
	Load Power Range	4.5W-65W		
	Dimming Range	0~100%, Dimming depth: Max. 0.01%		
	LF Current Ripple	< 5% (Maximum current for non dimming state)		
	Current Accuracy	±5%		
	PWM Frequency	≤3600Hz		
INPUT	DC Voltage Range	120-240Vdc		
	AC Voltage Range	100-240Vac		
	Rated Voltage	115Vac/230Vac		
	Frequency	0/50/60Hz		
	Input Current	Max.0.75A/115Vac(Fully loaded)，Max.0.35A/230Vac(Fully loaded)		
	Power Factor	PF≥0.95/100Vac(Fully loaded)，PF≥0.9C/230Vac(Fully loaded)		
	THD	100Vac@THD≤10%(Fully loaded)，230Vac@THD≤10%(Fully loaded)		
	Efficiency(Typ.)	87%(Fully loaded)/100Vac，88%(Fully loaded)/230Vac		
	Inrush Current	Cold start15A(Test twidth=198us tested under 50% Ipeak)/230Vac		
	Anti Surge	L-N:2KV		
	Leakage Current	Max.0.5mA		
ENVIRONMENT	Operating Temperature	ta: -20°C - 45°C tc: 90°C		
	Working Humidity	20-95%RH, non-condensing		
	Storage Temperature/Humidity	-40 - 80°C/10~95%RH		
	Temperature Coefficient	±0.03%/°C(-20°C-45°C)		
	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 off the current output if the PCB temperature ≥110°C. When the PCB temperature <90°C, 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: 500VDC/1min/25℃/70%RH≥10MΩ		
	Safety Certifications	CE	European Union	EN61347-1，EN61347-2-13，EN62384
	EMC Emission	CE	European Union	EN55015，EN61000-3-2，EN61000-3-3，EN61547
	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	
		CIESVM	PstLM≤1.0，SVM≤0.4	
	DF	Phase factor	DF≥0.9	
OTHERS	Weight(N.W.)	335g±10g		
	Dimensions	153×77×33mm(L×W×H)		
	Packaging size	156×80×35mm（L×W×H)		

Typical Current Corresponding Parameter Table

Model	The following 27 groups of typical current data are provided for model selection reference. More currents can be set via the mobile phone APP NFC. The settable range is 500-1800mA, and the current step value can be as low as 1mA.									
SE-65-500-1800-W2X2	Output Current	500mA	550mA	600mA	650mA	700mA	750mA	800mA	850mA	900mA
	Output Voltage	9-54Vdc	9-54Vdc	9-54Vdc	9-54Vdc	9-54Vdc	9-54Vdc	9-54Vdc	9-54Vdc	9-54Vdc
	Output Power	4.5-27W	4.95-29.7W	5.4-32.4W	5.85-35.1W	6.3-37.8W	6.75-40.5W	7.2-43.2W	7.65-45.9W	8.1-48.6W
	Output Current	950mA	1000mA	1050mA	1100mA	1150mA	1200mA	1250mA	1300mA	1350mA
	Output Voltage	9-54Vdc	9-54Vdc	9-54Vdc	9-54Vdc	9-54Vdc	9-54Vdc	9-52Vdc	9-50Vdc	9-48Vdc
	Output Power	8.55-51.3W	9-54W	9.45-56.7W	9.9-59.4W	10.35-62.1W	10.8-64.8W	11.25-65W	11.7-65W	12.15-65W
	Output Current	1400mA	1450mA	1500mA	1550mA	1600mA	1650mA	1700mA	1750mA	1800mA
	Output Voltage	9-46Vdc	9-45Vdc	9-43Vdc	9-42Vdc	9-41Vdc	9-39Vdc	9-38Vdc	9-37Vdc	9-36Vdc
	Output Power	12.6-65W	13.05-65W	13.5-65W	13.95-65W	14.4-65W	14.85-65W	15.3-65W	15.75-65W	16.2-65W

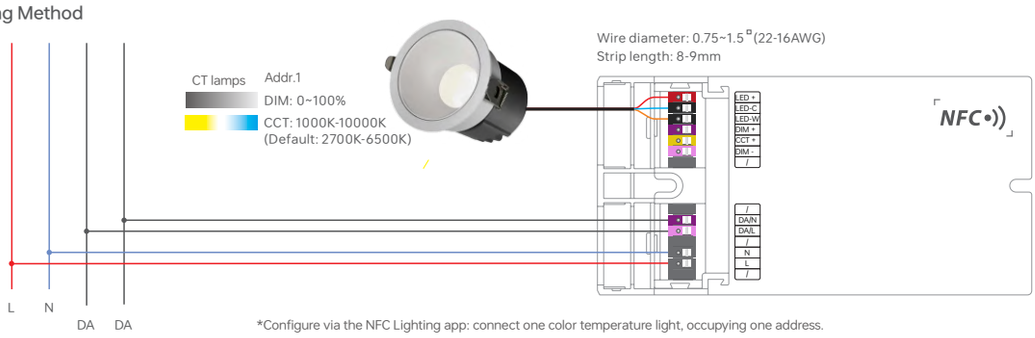
Unit: mm



Connectivity Diagram

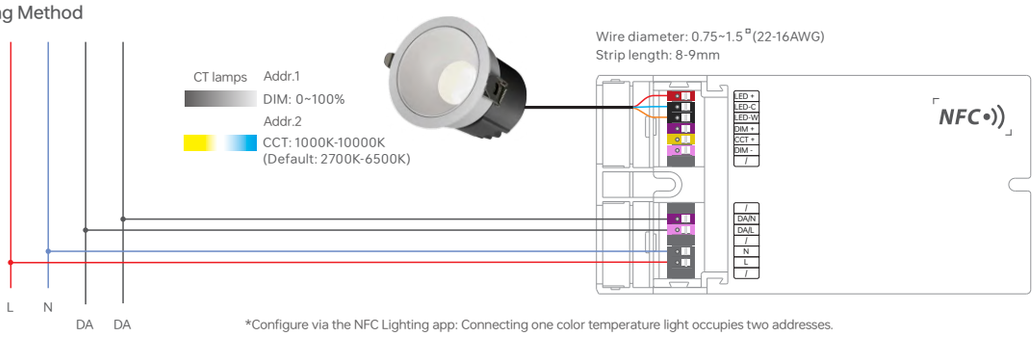
DALI Connection Method

1. DT8 Color Temperature Wiring Method



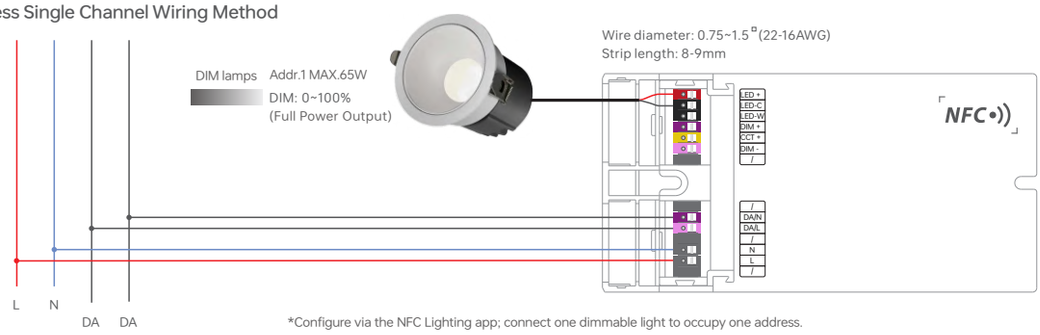
*Configure via the NFC Lighting app: connect one color temperature light, occupying one address.

2. DT6 Color Temperature Wiring Method



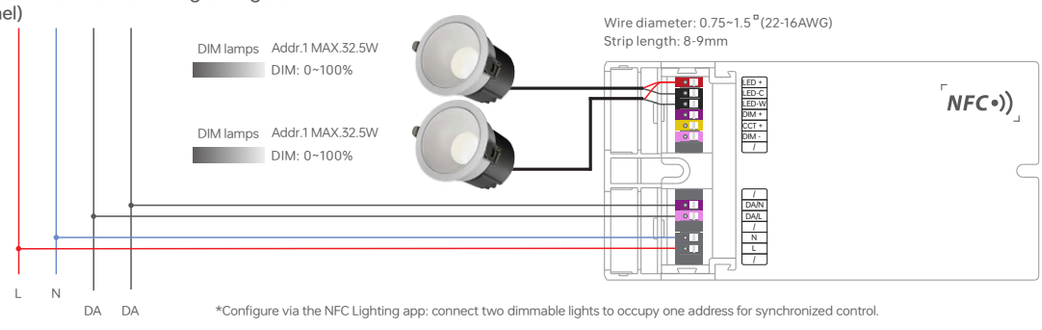
*Configure via the NFC Lighting app: Connecting one color temperature light occupies two addresses.

3. DT6 Dimming - Single Address Single Channel Wiring Method



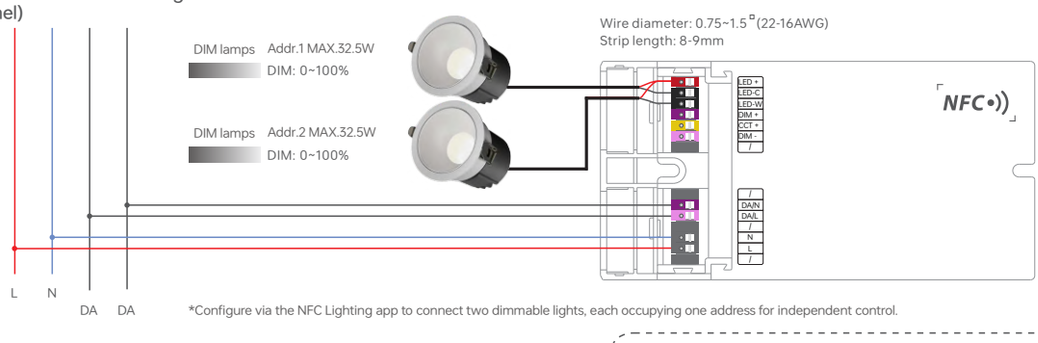
*Configure via the NFC Lighting app; connect one dimmable light to occupy one address.

4. DT6 Dimming - Single-Address Dual-Channel Wiring Configuration (Max. 32.5W power per channel)



*Configure via the NFC Lighting app: connect two dimmable lights to occupy one address for synchronized control.

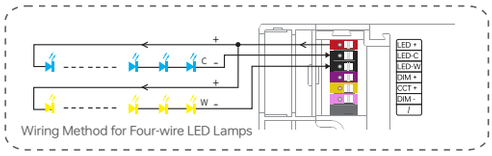
5. DT6 Dimming - Dual-Address Dual-Channel Wiring Method (Max. 32.5W power per channel)



*Configure via the NFC Lighting app to connect two dimmable lights, each occupying one address for independent control.

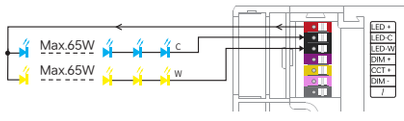
✻ When DC voltage is applied, button dimming is disabled.

✻ The dimming interface priority is as follows: DALI first, followed by PUSH DIM/CCT.



Wiring Method for Four-wire LED Lamps

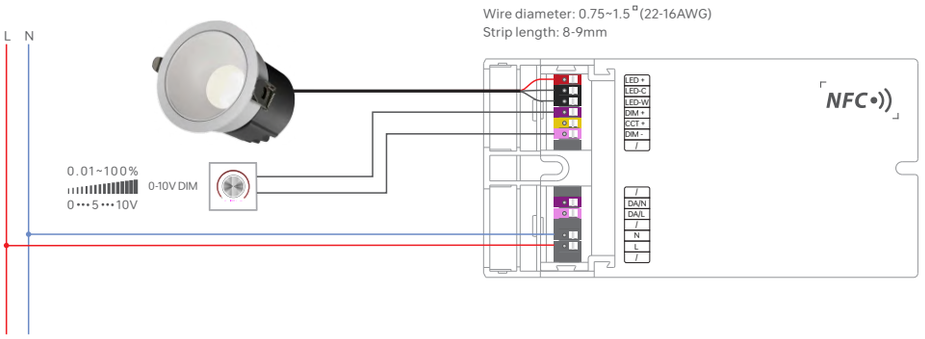
✻ Adopting constant power program design, it keeps the same brightness in color temperature dimming, twice the rated power load can be connected.
65W driver, 65W X 2CH load can be connected, the total power of the 2 channels will be kept in 65W.



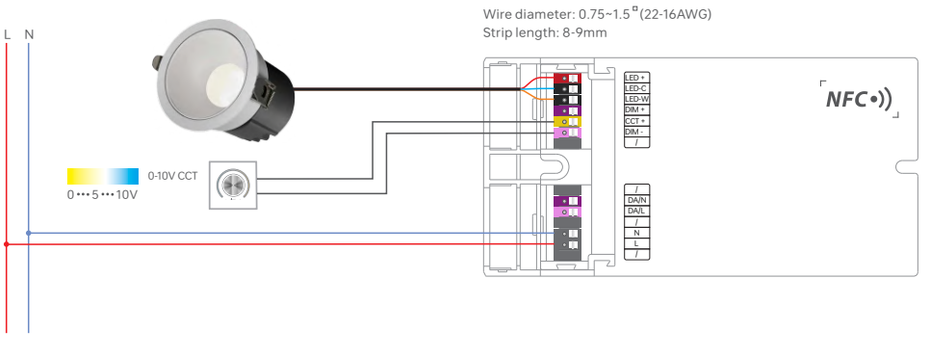
PUSH DIM/CCT Dimming Application

0-10V Wiring Connection Method

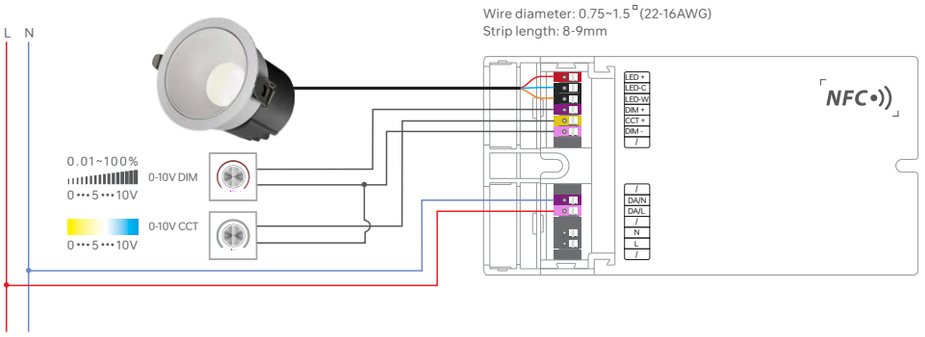
1. Brightness adjustment



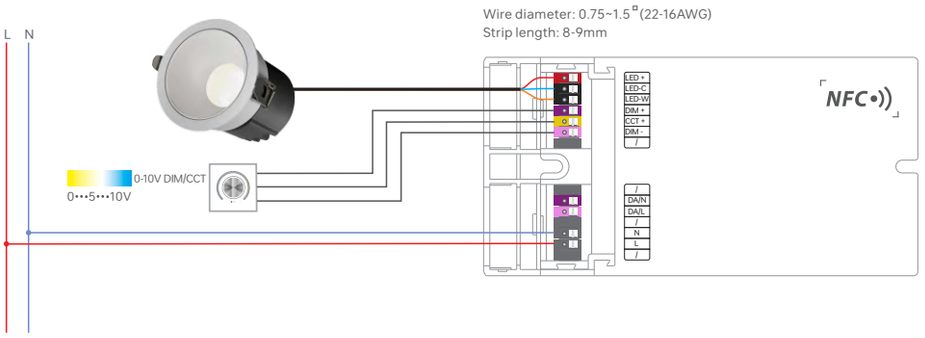
2. Color temperature adjustment



3. Separate adjustment of brightness and color temperature



4. Simultaneous adjustment of brightness and color temperature

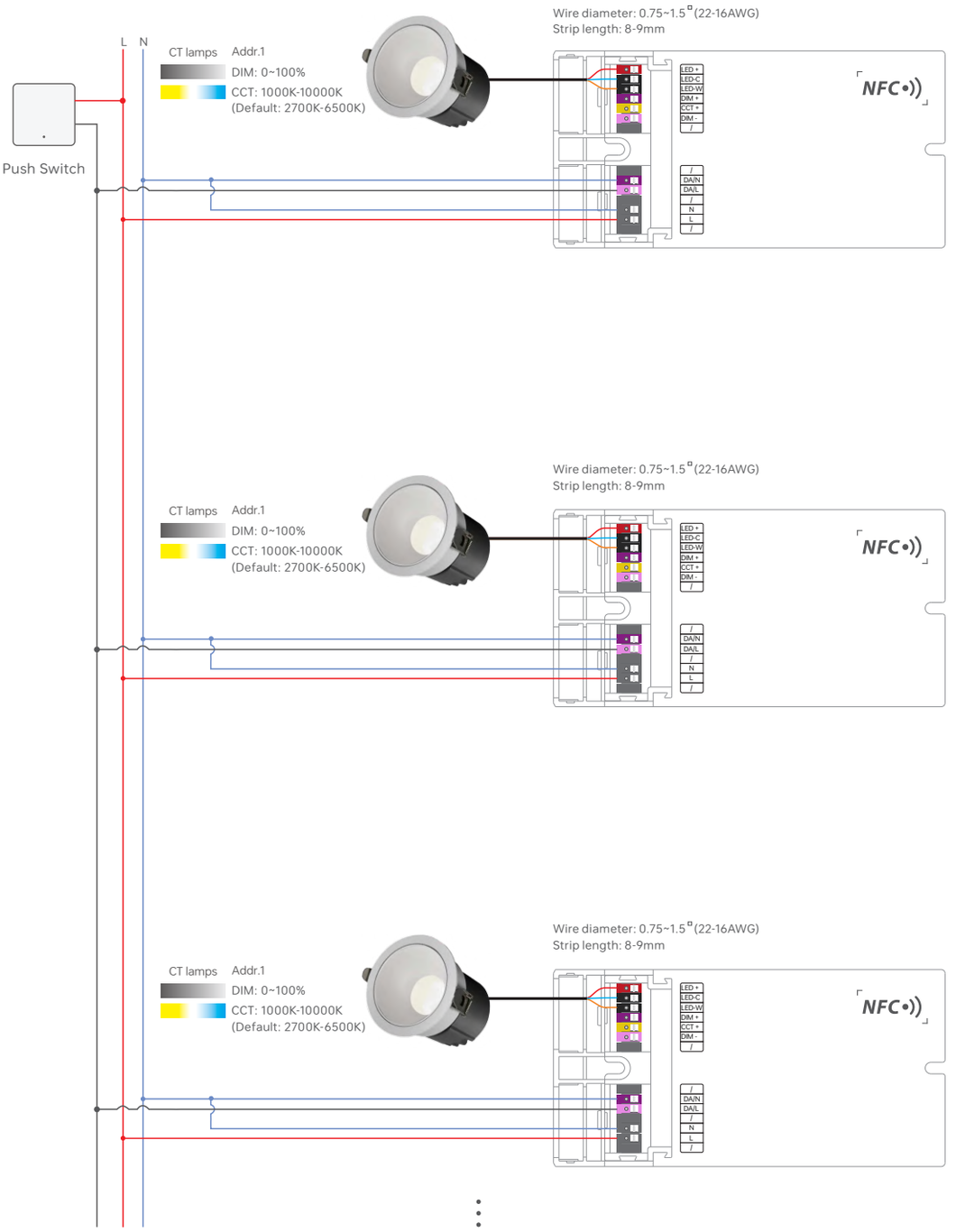


PUSH DIM/CCT Wiring Connection Method

Switch to PUSH DIM/CCT Mode:

Method 1: If it has been switched to the corridor light mode, you can connect the circuit according to the PUSH DIM/CCT wiring diagram. Short press the push switch 5 times within 3 seconds, then long press it for 6 seconds and short press it 5 times within 3 seconds. The driver will automatically switch to the PUSH DIM/CCT mode.

Method 2: If it has been switched to the corridor light mode, you can switch it to the PUSH DIM/CCT mode via the NFC Lighting app.



Push Switch

Operation Instructions

Short press : on/off control.

Double press: Switch brightness/color temperature mode.

Long press : Adjust the current mode.

Dimming memory : Upon being switched on again, the light resumes the previously set brightness level.

Multiple lights synchronize control operation

Long press the dimming push button for more than 15 seconds, all drivers will output 100% brightness and the color temperature is natural white.

Corridor Light Wiring Method

Switch to the corridor light mode

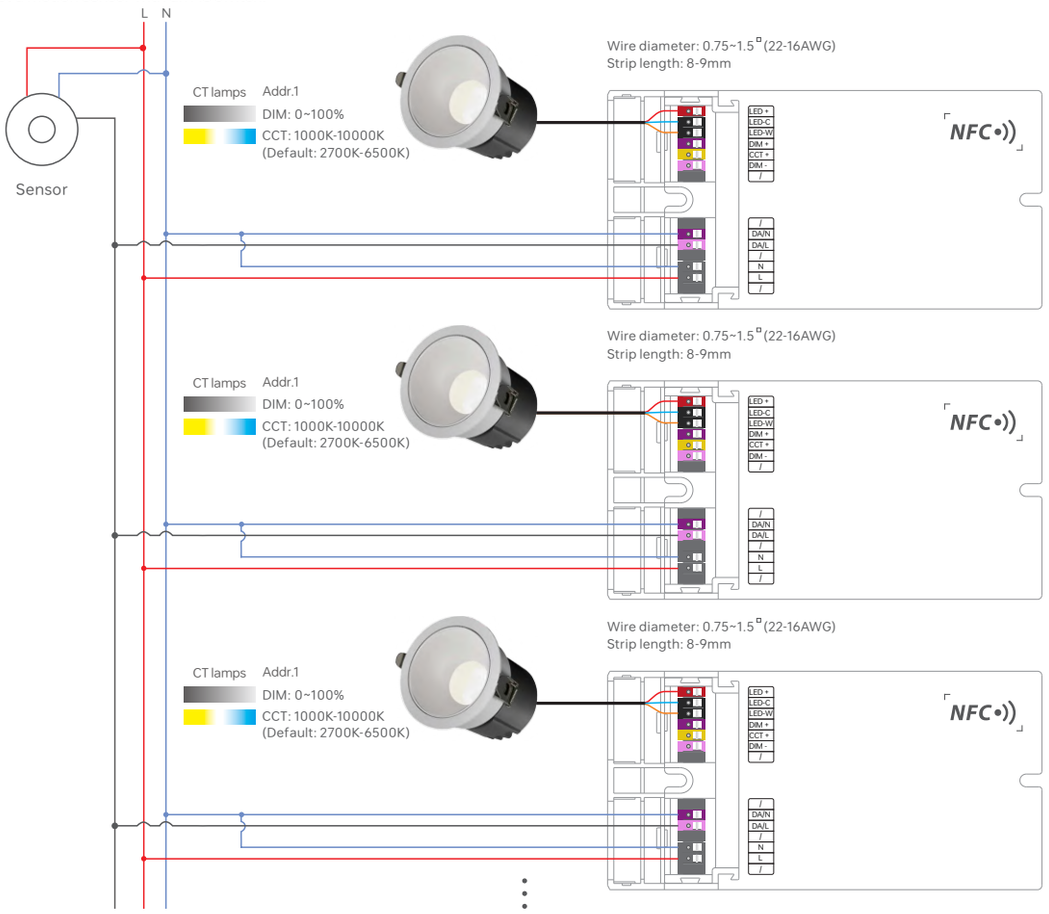
Method 1: Switch the driver to the corridor light mode via the NFC Lighting app, and the Push DIM/CCT mode will be turned off.

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.

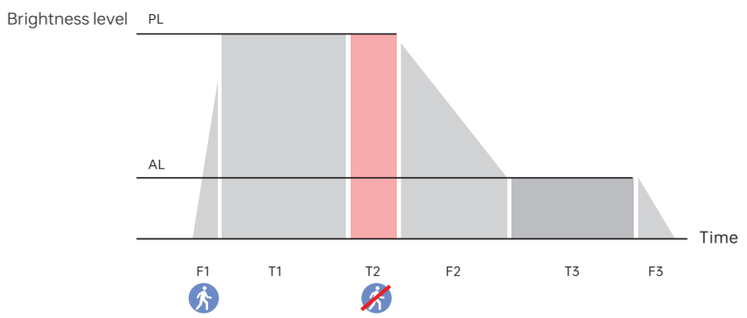
It is necessary to select a motion sensor with an AC switch.



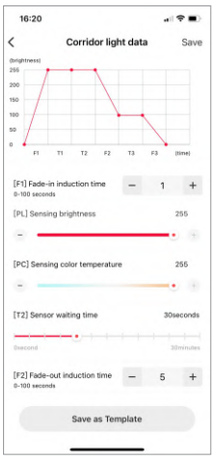
*Push dimming is invalid under DC voltage input.

*Dimming interface priority: DALI first, then corridor light.

Process of Corridor Dimming



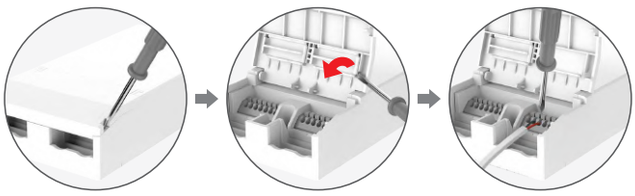
Name	Default	Setting Range
(F1) Fade-in Detection Time	1 s	0-100 s
(PL) Detection Brightness	255	0-255
(PC) Detection Color Temperature	0	0-255
(T1) Detection Hold Time	Set via the sensor	
(T2) Delay Time	30 s	0 s,5 s,10 s,20 s,30 s,45 s,1 min, 2 min, 3 min,5 min,10 min,20 min,30 min
(F2) Gradual Exit Sensing Time	1 s	0-100 s
(AL) Hold Brightness Level	100	0-255
(AC) Hold Color Temperature	0	0-255
(T3) Detection Hold 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) Fade-out Time to Off	1 s	0-100 s



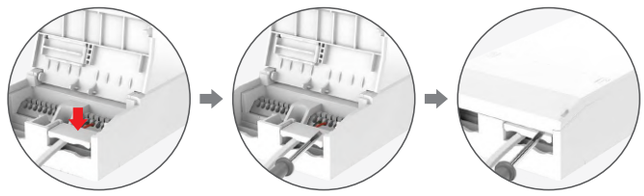
Note: *If the light needs to maintain a low brightness hold, please set the [T3] Detection Hold Time to Permanent.

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

Application Diagram of Protective Cover

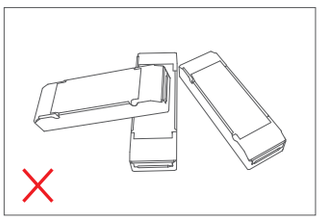


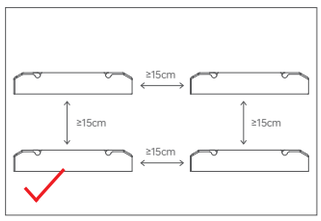
1. Put the head of a screwdriver on the side of the housing to pry up both the protective cover and wire fixing board. Then remove the wire fixing board and connect to the wires as wiring diagram shows.



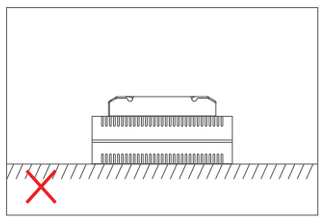
2. Install the wire fixing board and press it down. Then snap on the protective cover while pressing the wire fixing board with a small flat-head screwdriver

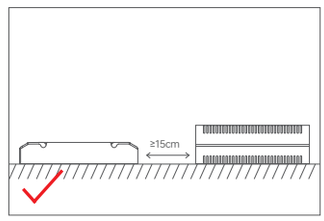
Installation Precautions



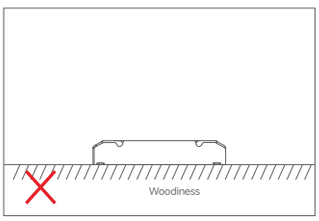


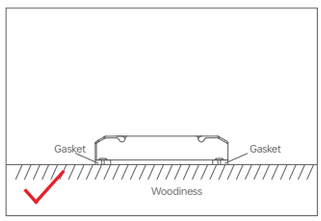
Please do not stack the products. The distance between two products should be ≥15cm so as not to affect heat dissipation and the lifespan of the products.





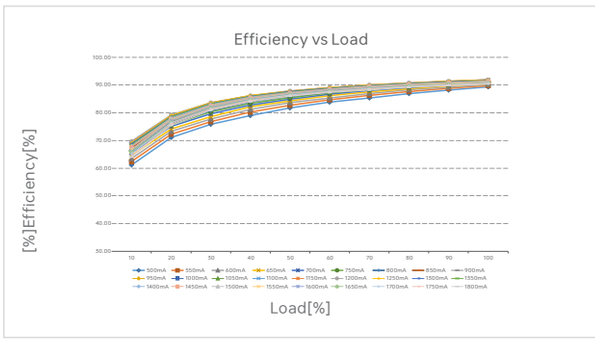
Do not place the product on top of a power supply.The distance between the product and the power supply should be ≥15 cm so as not to affect heat dissipation and the lifespan of the product.

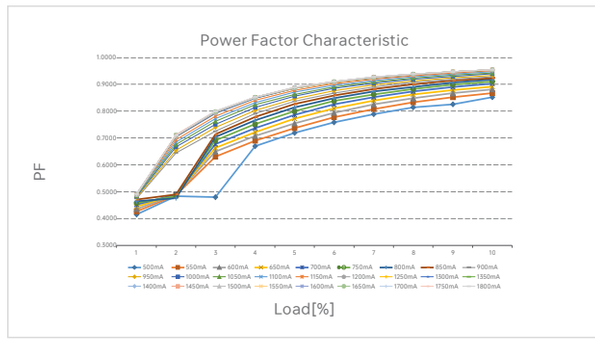


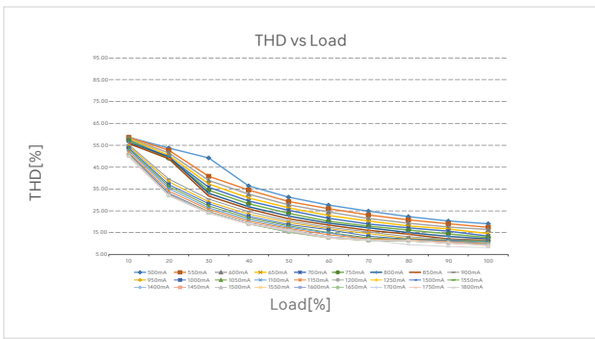


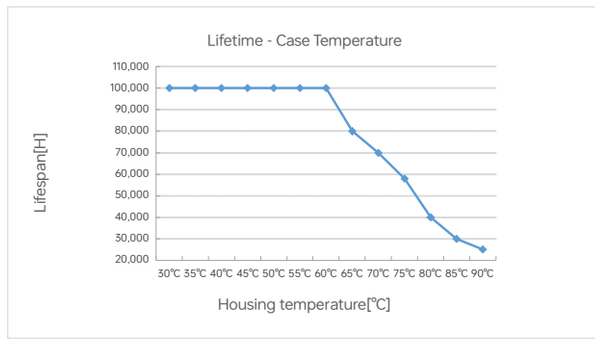
Do not fix the product tightly against the wooden board with screws. Please add a washer ≥7 mm thick under the mounting screws to leave a gap for effective heat dissipation, so as to avoid affecting the heat dissipation and service life of the product.

Relationship Diagrams









SE-65-500-1800-W2X2

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=198us 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.

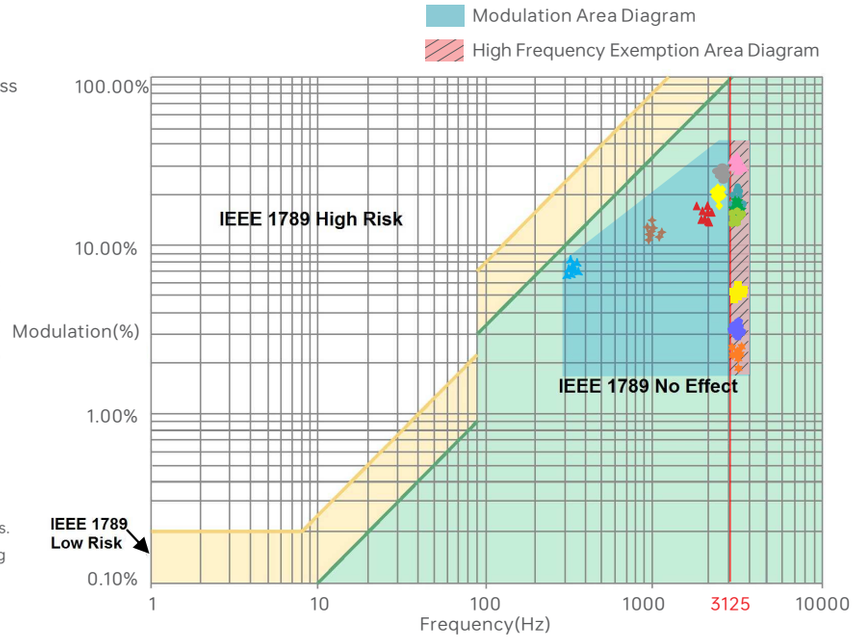
Flicker Test Sheet

IEEE 1789

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

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).

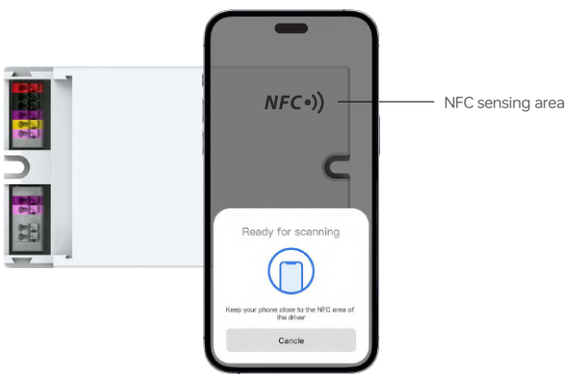
＊ Before you begin setting the parameters of the driver, please make sure the driver is powered off .

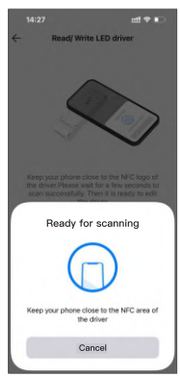
Read/Write the LED driver

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

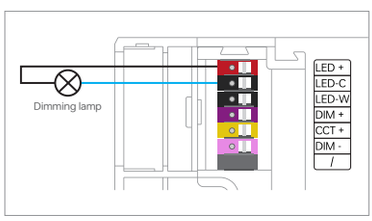
On the APP home page, click【Read/Write LED driver】, then keep the programmer's sensing area close to the NFC sensing area of the driver to read the driver parameters.



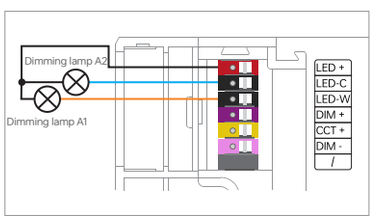


2. Switch the dimming interface

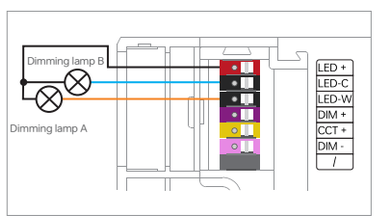
On the page of "Edit parameters", click 【Dimming interfaces】to switch to the needed dimming interface: DT8 CT (DT8 Single Address), DT6 CT (DT6 2 Addresses), DT6 DIM (1 address for 1 channel / 1 address for 2 channels / 2 addresses for 2 channels).



1 address for 1 channel
(Single Channel Full Power Output)



1 address for 2 channels
(Maximum 50% of Total Output Power Per Channel)



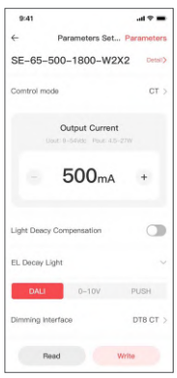
2 addresses for 2 channels
(Maximum 50% of Total Output Power Per Channel)

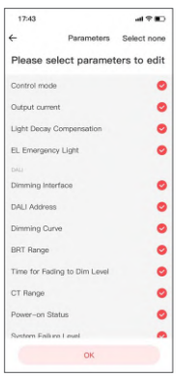
3. Edit parameters

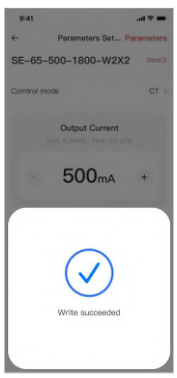
Click on [Parameter Management] to edit more advanced parameters such as Control mode , Output current , Light Decay Compensation, EL Emergency Light, DALI: Dimming Interface, DALI Address, Dimming Curve, BRT Range, Time for Fading to Dim Level, CT Range, Power-on Status, System Failure Level, DALI Template Settings. 0-10V; Select Brand, Power-on Fading Time, Dimming Curve, BRT Range; Push: Corridor lights, and PUSH Settings.

4. 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 sensing area of the driver, so the parameters can be written to the driver

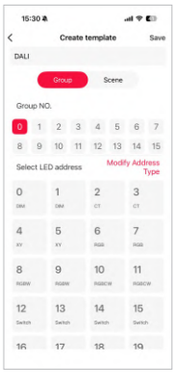


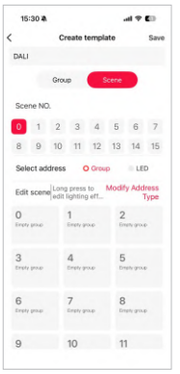




Advanced DALI template

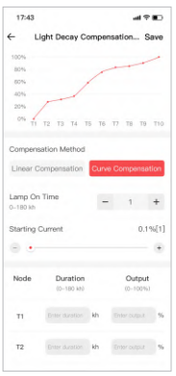
Integrate the functions of the DALI lighting system, edit the DALI group and lighting effects for scenes, then save them in the advanced template to achieve lighting programming.
Setup page (for Read/Write LED driver) : Go to App home page — 【⚙】 icon in the top right —【DALI template on phone】.





Light Decay Compensation

Lumen Maintenance Compensation primarily serves to sustain constant luminous flux output from LEDs. Throughout the LED's entire lifespan, it gradually increases the drive current to counteract lumen depreciation caused by prolonged operation, thereby ensuring consistent light output.



EL Emergency Light

- The power supply operates normally with DC input.
- When using DC input, connect the positive terminal of the DC cable to the L terminal and the negative terminal to the N terminal.
- The output current can be configured via the NFC lighting app.

Model	SE-65-500-1800-W2X2
Packaging size	156×80×35mm（L×W×H）

Inner packaging box

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.

- 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 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.

LED智能色温驱动器(恒流型)

- 外壳采用科思创/三星PC阻燃V0级原料
- 支持全指令NFC极速编程，可使用手机APP通过NFC更改调光类型、输出电流、光衰补偿、EL应急灯，及DALI、0-10V或PUSH等类别参数，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L-Data，DALI part 251，252，253（灯具数据、能源报告以及诊断和维护）
- T-PWM 超深度调光技术，调光深度可达0.01%
- 0-100%全程调光无可视频闪, 高频豁免考核级别
- 带软启动渐亮功能，让人眼视觉更舒服
- 支持CLO光衰补偿功能，保障恒久照明亮度
- 支持EL应急灯，直流应急状态默认调整电流到15%
- 支持有线升级设备固件
- 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、短路保护，可自动恢复
- 适合室内I、II、III类灯具
- 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

调光调色温

6 in1DIM/CCT
• 0-10V • RX • PUSH
• 1-10V • PWM • DALI-2

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

SELV RoHS CLO corridor DIM L-Data 251/252/253

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 | 0-10V | 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

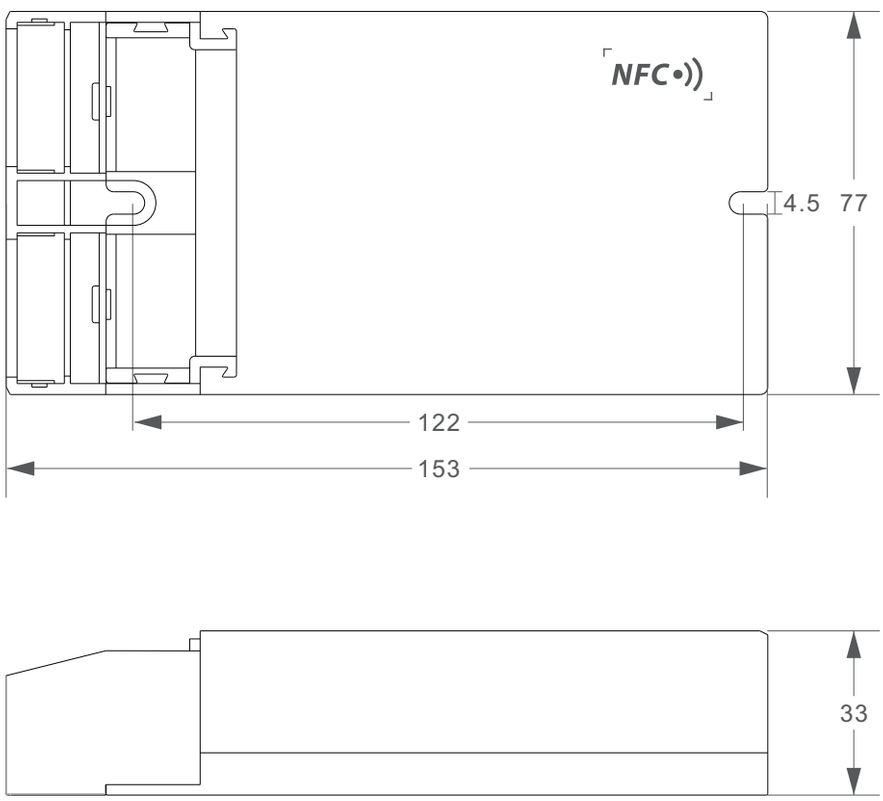
型号		SE-65-500-1800-W2X2		
特征	输出类型	恒流		
	调光接口	DALI-2 DT6/DT8, 0-10V(1-10V/PWM/RX), PUSH DIM/CCT		
	输出特征	隔离		
	防护等级	IP20		
	绝缘等级	II类(适用于室内I、II、III类灯具)		
输出	输出电压	9-54Vdc		
	最大输出电压	≤58Vdc		
	工作电流范围	500-1800mA(通过手机APP NFC设置更多电流，步进值低至1mA；默认: 500mA)		
	负载功率范围	4.5W-65W		
	调光范围	0-100%，调光深度: Max. 0.01%		
	电流纹波	< 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	120-240Vdc		
	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	Max.0.75A/115Vac(满载)，Max.0.35A/230Vac(满载)		
	功率因数	PF≥0.95/100Vac(满载)，PF≥0.9C/230Vac(满载)		
	谐波THD	100Vac@THD≤10%(满载)，230Vac@THD≤10%(满载)		
	效率(Typ.)	87%(满载)/100Vac，88%(满载)/230Vac		
	浪涌电流	冷启动,15A(在50%Ipeak下测twidth=198us)@230Vac		
	抗浪涌	L-N:2KV		
	漏电流	Max.0.5mA		
环境	工作温度	ta: -20°C - 45°C tc: 90°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(-20°C-45°C)		
	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°C)，智能调节电流输出或关闭，可自动恢复；PCB温度 < 90°C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: 500VDC/1min/25°C/70%RH≥10MΩ		
	安全规范	CE	欧盟	EN61347-1， EN61347-2-13， EN62384
	电磁兼容发射	CE	欧盟	EN55015，EN61000-3-2，EN61000-3-3，EN61547
	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	335g±10g		
	产品尺寸	153×77×33mm(L×W×H)		
	包装尺寸	156×80×35mm（L×W×H）		

典型电流对应参数表

型号	典型27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500-1800mA，电流步进值低至1mA									
SE-65-500-1800-W2X2	输出电流	500mA	550mA	600mA	650mA	700mA	750mA	800mA	850mA	900mA
	输出电压	9-54Vdc	9-54Vdc	9-54Vdc	9-54Vdc	9-54Vdc	9-54Vdc	9-54Vdc	9-54Vdc	9-54Vdc
	输出功率	4.5-27W	4.95-29.7W	5.4-32.4W	5.85-35.1W	6.3-37.8W	6.75-40.5W	7.2-43.2W	7.65-45.9W	8.1-48.6W
	输出电流	950mA	1000mA	1050mA	1100mA	1150mA	1200mA	1250mA	1300mA	1350mA
	输出电压	9-54Vdc	9-54Vdc	9-54Vdc	9-54Vdc	9-54Vdc	9-54Vdc	9-52Vdc	9-50Vdc	9-48Vdc
	输出功率	8.55-51.3W	9-54W	9.45-56.7W	9.9-59.4W	10.35-62.1W	10.8-64.8W	11.25-65W	11.7-65W	12.15-65W
	输出电流	1400mA	1450mA	1500mA	1550mA	1600mA	1650mA	1700mA	1750mA	1800mA
	输出电压	9-46Vdc	9-45Vdc	9-43Vdc	9-42Vdc	9-41Vdc	9-39Vdc	9-38Vdc	9-37Vdc	9-36Vdc
	输出功率	12.6-65W	13.05-65W	13.5-65W	13.95-65W	14.4-65W	14.85-65W	15.3-65W	15.75-65W	16.2-65W

尺寸图

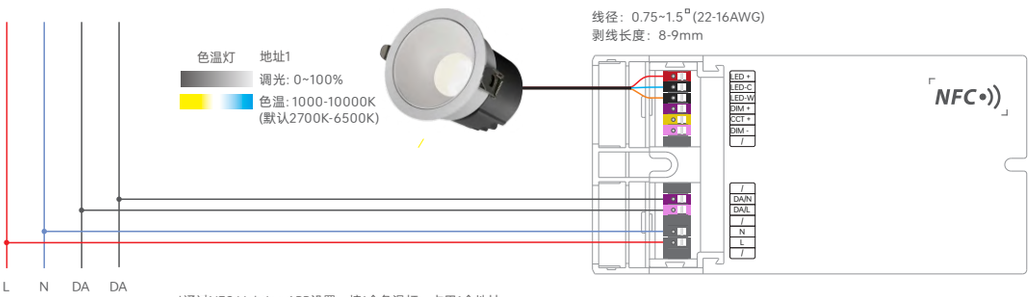
单位：mm



连接应用图

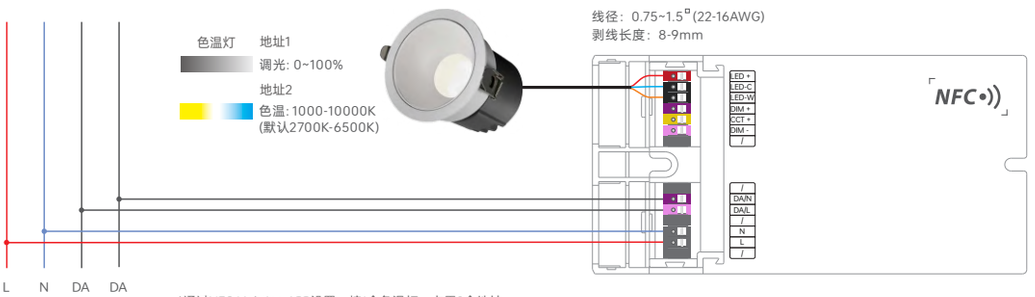
DALI连接方式

1、DT8色温接线方式



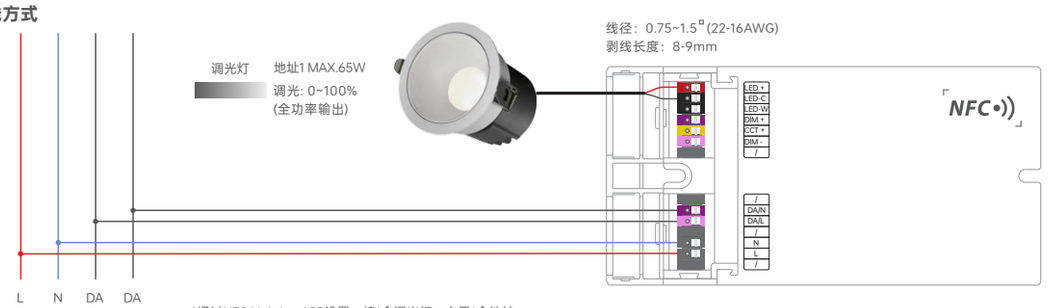
*通过NFC Lighting APP设置，接1个色温灯，占用1个地址。

2、DT6色温接线方式



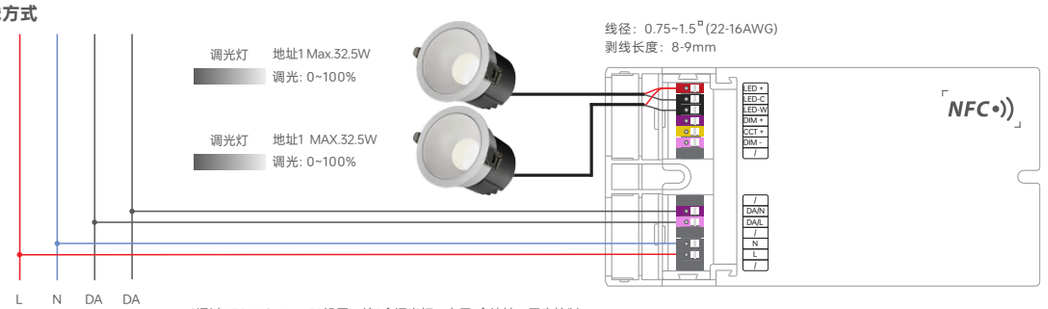
*通过NFC Lighting APP设置，接1个色温灯，占用2个地址。

3、DT6调光-单地址单通道接线方式



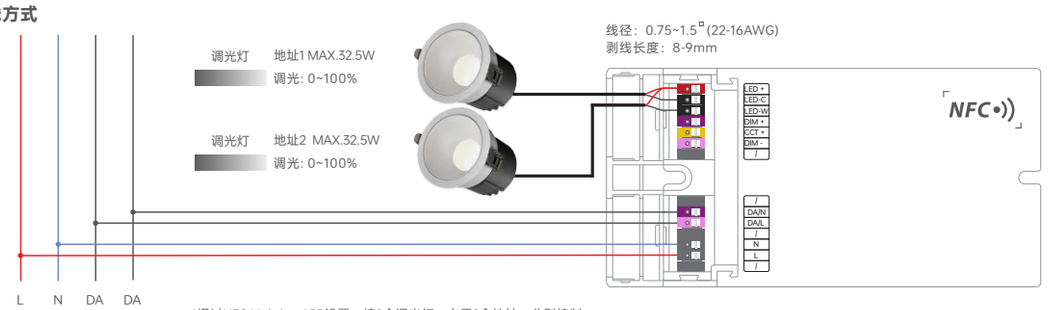
*通过NFC Lighting APP设置，接1个调光灯，占用1个地址。

4、DT6调光-单地址双通道接线方式 (每个通道最大32.5W功率)



*通过NFC Lighting APP设置，接2个调光灯，占用1个地址，同步控制

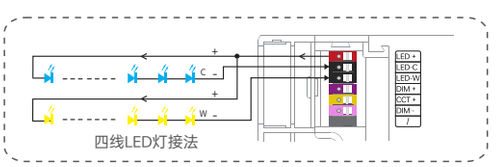
5、DT6调光-两地址双通道接线方式 (每个通道最大32.5W功率)



*通过NFC Lighting APP设置，接2个调光灯，占用2个地址，分别控制

＊在直流电压输入的情况下，按键调光无效。

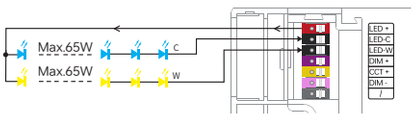
＊调光接口优先级为：优先DALI，其次PUSH DIM/CCT。



四线LED灯接法

＊采用恒功率程序设计，色温调节全程能保持亮度一致，电源可连接额定功率两倍的负载。

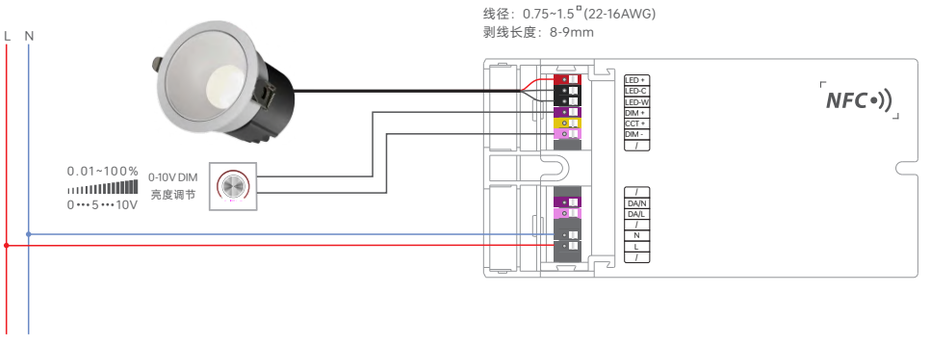
如：65W电源,可连接65WX2CH的负载,两路总功率会保持在65W以内。



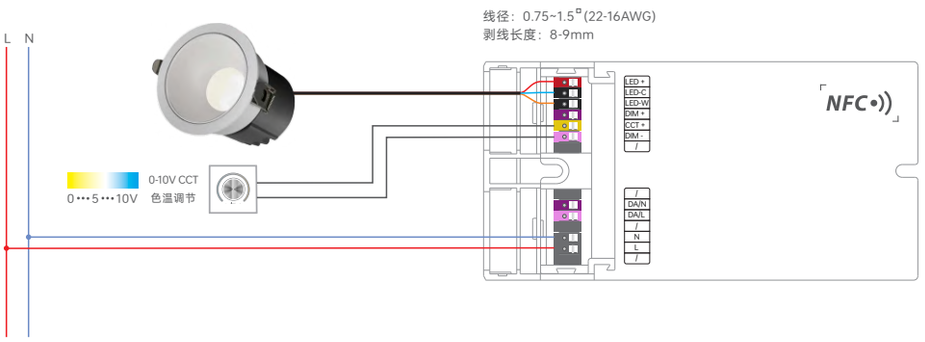
PUSH DIM/CCT 调光应用

0-10V连接方式

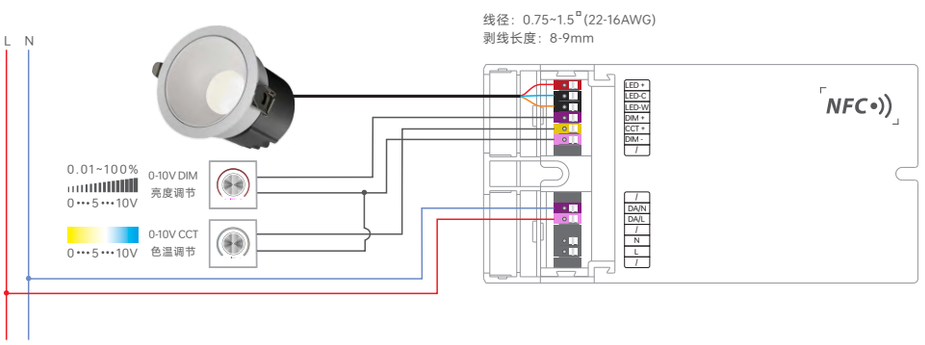
1、亮度调节



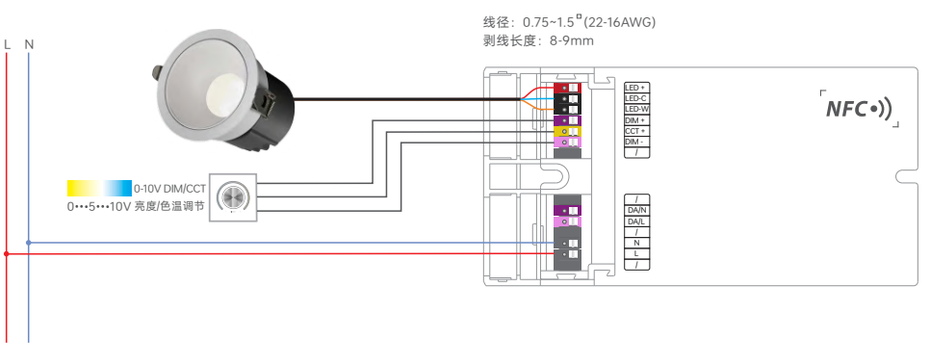
2、色温调节



3、亮度与色温分别调节



4、亮度与色温同时调节

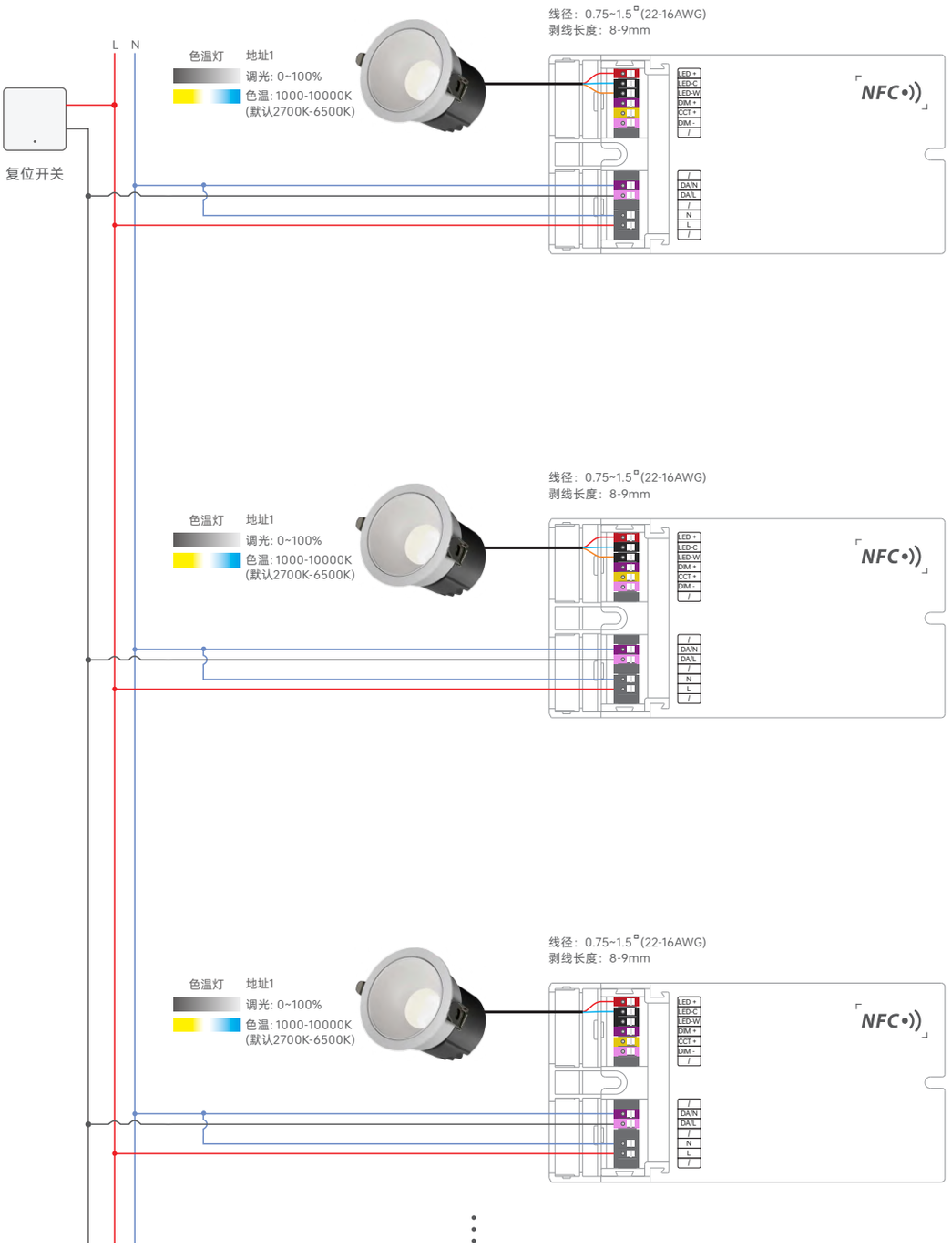


PUSH DIM/CCT 连接方式

切换至PUSH DIM/CCT 模式

方式 1: 若是已切换至走廊灯模式，可以按照PUSH DIM/CCT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/CCT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/CCT 模式。



复位开关

操作说明

- 短按开/关控制
- 双击：切换亮度/色温模式
- 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

多台PUSH DIM/CCT 调光驱动器同步调光复位操作

长按PUSH调光开关超过15s，所有的驱动器将输出100%的亮度，色温为中性光。

走廊灯连接方式

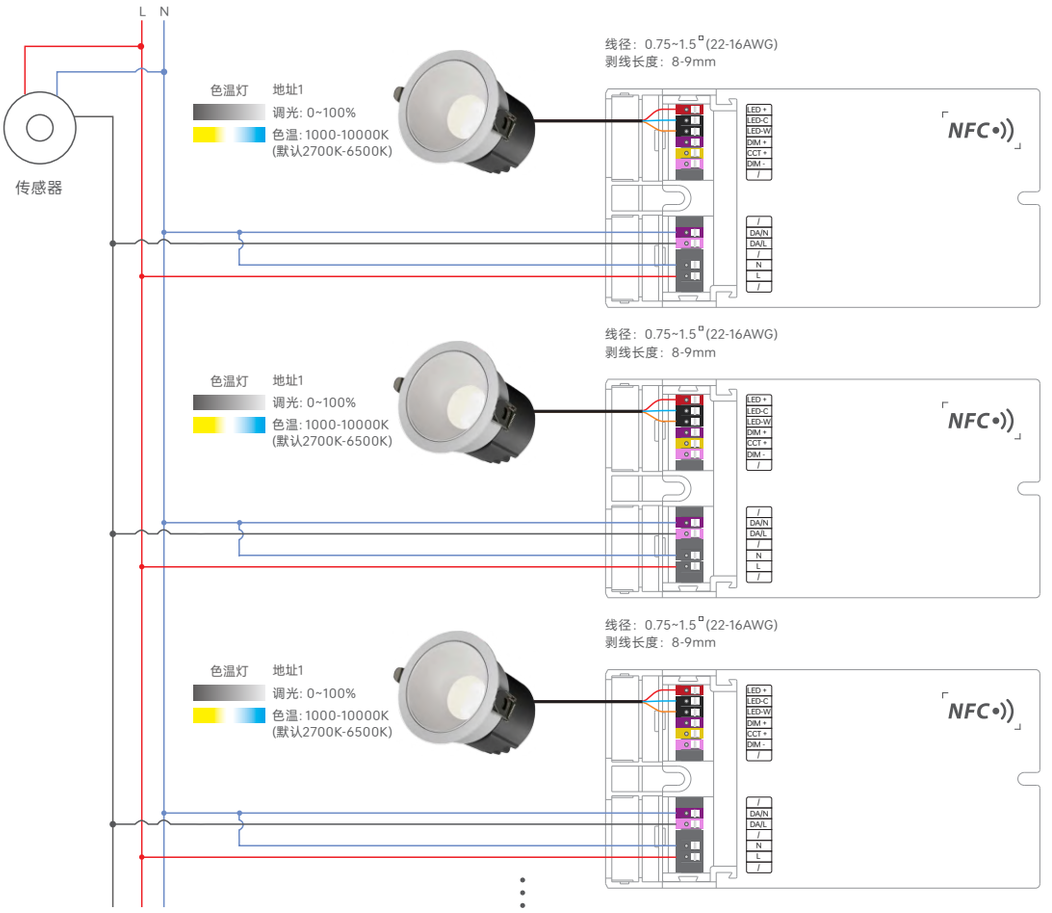
切换至走廊灯模式

方式 1: 通过NFC配置并切换走廊灯功能，PUSH DIM/CCT功能关闭。

方式 2: 按照走廊灯接线图接好线后，保持有效感应区域内移动并持续2分钟以上，自动切换成走廊灯模式。

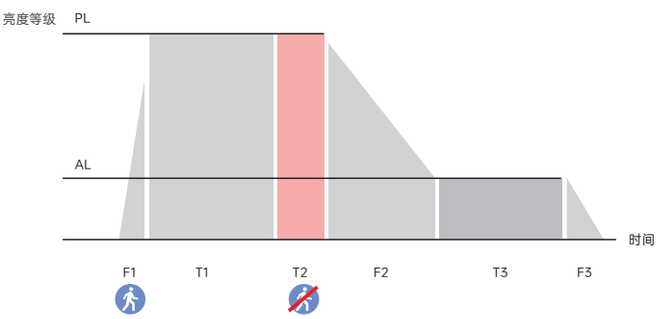
方式 3: 按照走廊灯接线图接好线后, 先将传感器更换为普通开关, 然后打开普通开关持续导通2分钟，驱动器将自动切换到走廊灯模式，然后将普通开关移除并更换回传感器。

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。

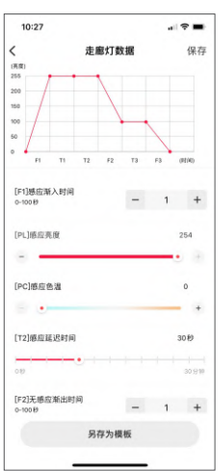


*在直流电压输入的情况下，按键调光无效
*调光接口优先级为：优先DALI，其次走廊灯。

走廊调光 工作过程

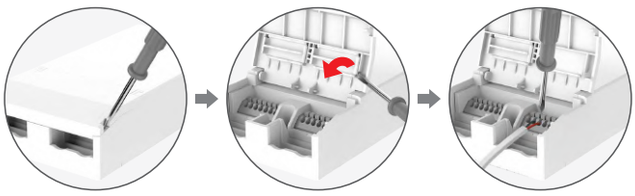


名称	默认	设置范围
(F1) 感应渐入时间	1 秒	0-100 秒
(PL) 感应亮度	255	0-255
(PC) 感应色温	0	0-255
(T1) 感应保持时间	通过传感器设置	
(T2) 感应延迟时间	30 秒	0 秒,5 秒,10 秒,20 秒,30 秒,45 秒,1分钟, 2 分钟, 3 分钟,5 分钟,10 分钟,20 分钟,30 分钟
(F2) 无感应渐出时间	1 秒	0-100 秒
(AL) 无人守候亮度	100	0-255
(AC) 无人守候色温	0	0-255
(T3) 守候时间	30 秒	0 秒,5 秒,10 秒,20 秒,30 秒,45 秒,1 分钟, 2 分钟,3 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

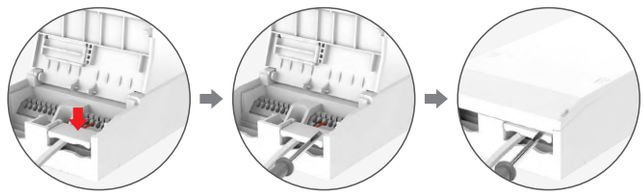


备注：*如灯需要低亮度守候，需要设置[T3]感应守候时间为永久
*以上参数由NFC lighting APP 设置

保护盖应用图

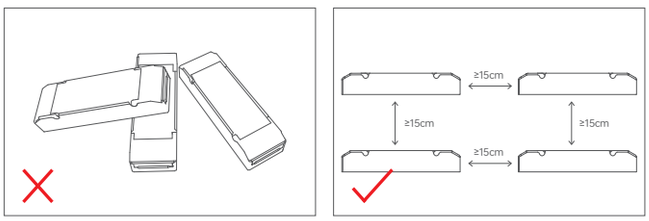


1. 在侧板处使用螺丝批撬起保护盖，并撬起压线板将其拆下后，按照接线图进行接线。

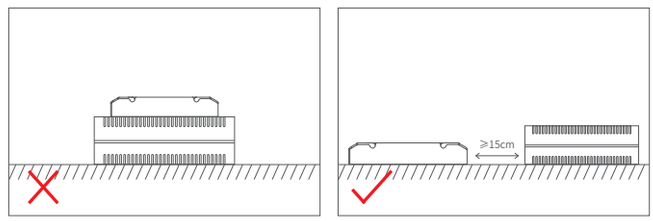


2. 装上压线板并向下按压，使用小一字螺丝批按住压线板的同时，将保护盖向下扣合即可。

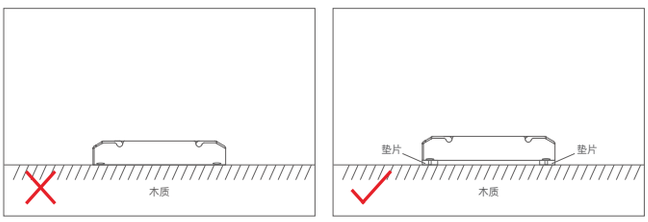
安装注意事项



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

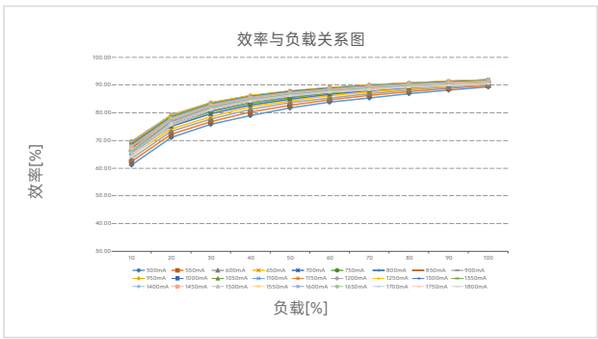


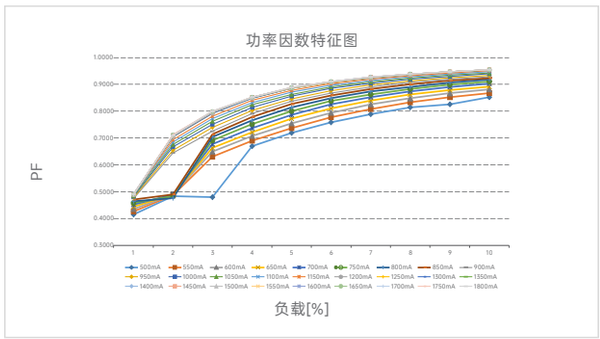
请勿将产品置于电源上方，产品与电源间隔距离应≥15cm，避免影响产品散热而减少使用寿命。

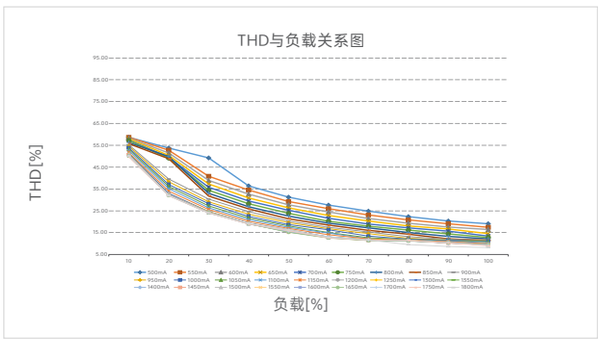


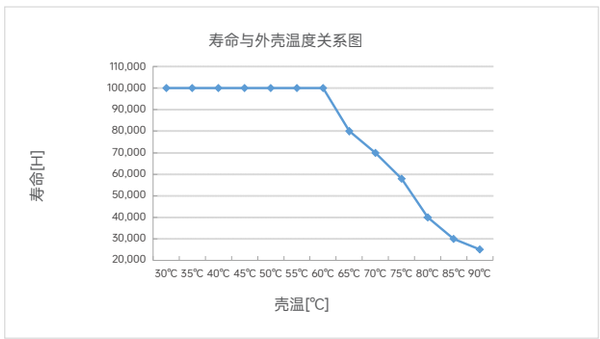
请勿将产品螺丝固定紧贴于木板，应在固定螺丝下增加≥7mm的垫片，留点空隙可以有效散热，避免影响产品散热和使用寿命。

关系图表









SE-65-500-1800-W2X2

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=198us)@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；

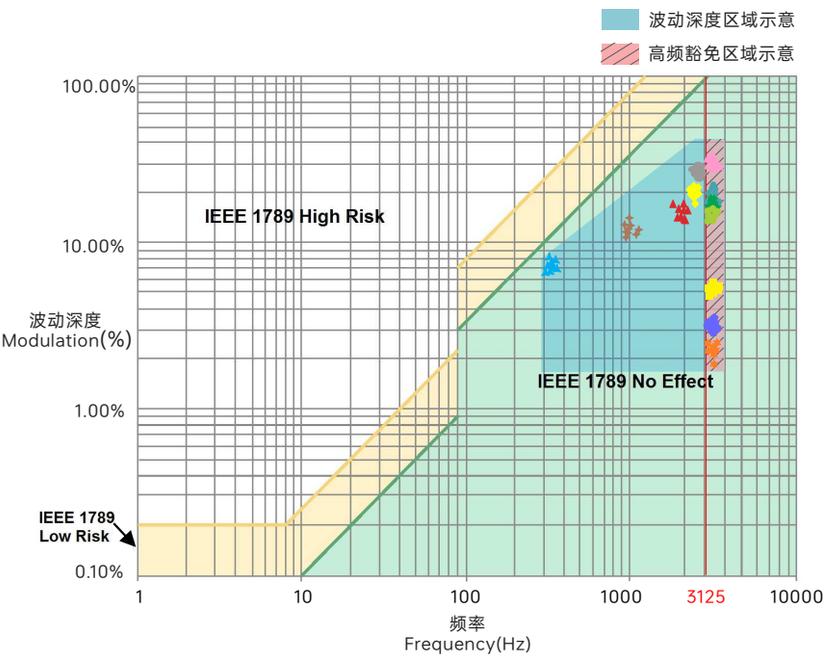
频闪测试表

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 ≤ 8Hz	0.2
8Hz < *f* ≤ 90Hz	0.025 × *f*
90Hz < *f* ≤ 1250Hz	0.08 × *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 ≤ 10Hz	0.1
10Hz < *f* ≤ 90Hz	0.01 × *f*
90Hz < *f* ≤ 3125Hz	（0.08/2.5）× *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。

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

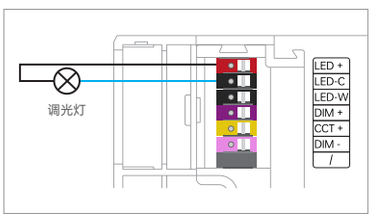
使用手机， 通过NFC读取驱动器信息， 根据需求设置参数后， 可直接写入驱动器。

1. 读取驱动器

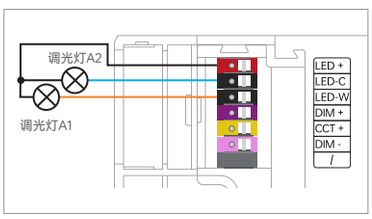
在APP “首页” 点击 【读/写智能电源】， 将手机感应区域靠近驱动器NFC感应区， 读取驱动器参数。

2. 切换调光接口

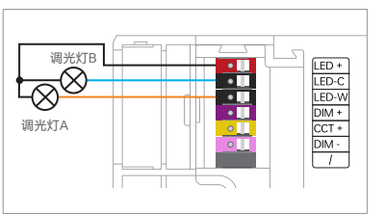
在“ 编辑参数” 界面，点击【调光接口】可切换调光接口：DT8色温(DT8单地址)、 DT6色温(DT6两地址色温) 、DT6调光(单地址单通道 / 单地址双通道 / 两地址双通道)。



单地址单通道—单路全功率输出



单地址双通道—每路最大输出总功率50%



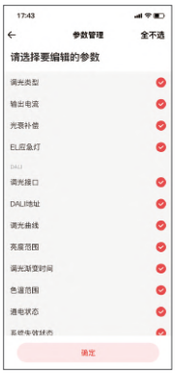
两地址双通道—每路最大输出总功率50%

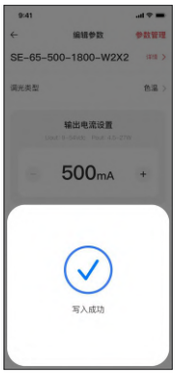
3. 编辑参数

点击【参数管理】可编辑调光类型、输出电流、光衰补偿、EL应急灯、DALI(调光接口、DALI地址、调光曲线、亮度范围、调光渐变时间、色温范围、通电状态、系统失效状态、DALI模板设置)、0-10V(选择品牌、通电渐变时间、调光曲线、亮度范围)、PUSH(走廊灯、PUSH设置)等更多高级参数。

4. 写入驱动器

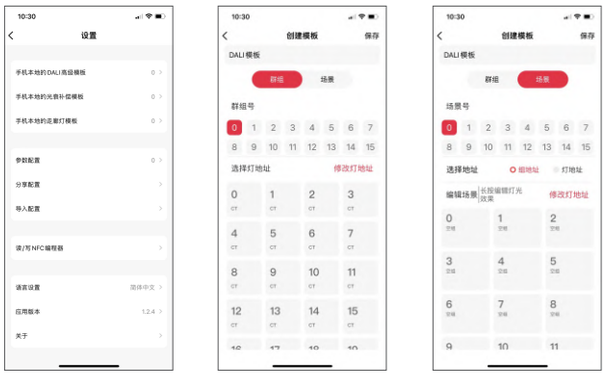
参数设置完成后， 点击【写入】， 将手机感应区域靠近驱动器NFC感应区， 即可写入驱动器成功修改参数。





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。

EL 应急灯

- 电源在直流输入时可以正常工作
- 电源在直流输入时，直流线缆的正极应接入在 L 端子上，直流线缆的负极应接在 N 端子上。
- 可以通过 NFC linghting app 设置输出的电流

包装规格

型号	SE-65-500-1800-W2X2
包装盒尺寸	156×80×35mm（L×W×H）

包装样式图

包装盒

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。